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SEPTEMBER 26, 1914.

Subscription, 10s. per annum, including Diary.
Free the World over. Single Copies, 6d. each.
Winter and Summer Issues, 1s. each. Post Free.

ALLEN & HANBURY'S

wish to advise their Customers that

Prices remain the same

— FOR —

Extract of Malt

Extract of Malt with Cod Liver Oil

Cod Liver Oil

Cod Liver Oil Emulsion

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YOUR PROFIT	5/3	4/-	6/6

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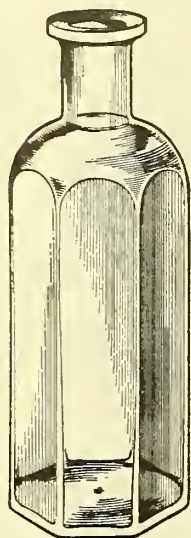
AND ITS DERIVATIVES.

Our advertisement in last week's issue of this Journal has flooded us with inquiries for quantities far in excess of the capacity of the plant we have at present at work.

We therefore suggest that all buyers interested in our products allow us to register their orders for a given quantity, and to execute same in whole or in part as fast as it is possible for us to do so.

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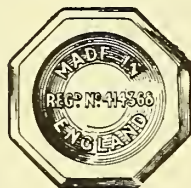
	3-oz.	1-oz.	1 1/2-oz.	2-oz.	3-oz.	4-oz.	6-oz.	8-oz.	10-oz.	12-oz.	16-oz.	20-oz.
W.G. "Ideals"	5/1	5 8	6 6	7 4	8 3	9 11	12 2	14 9	17 6	19 2	24 10	30 6
Amber and Actinic "Ideals"	6/-	6 6	7 4	8 3	9/-	10 9	13 10	15 10	19 2	20 11	27 2	32 9
W.G. "Ideals" Stoppered ...	20 11	21 5	22 7	23 1	24 7	27 2	31 7	35 6	38 5	41 9	49 9	54 2
Amber and Actinic "Ideals" Stoppered	21 5	22 7	23 5	24 3	25 4	28 10	33 4	37 3	41 3	44/-	53/-	58 9

Compare these quotations with those of other bottles, especially the stoppered ones.

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MADE IN ENGLAND.



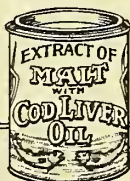
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MADE UP IN EXCEPTIONALLY GOOD STYLE.
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QUALITY RIGHT!

GROSS LOTS AT CONTRACT PRICES.

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CONTAINER.



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Special Winter Terms.

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C. & J., Ltd. Fullford, C. E., Ltd. Harrison, G. Hovenden, R., & Sons, Ltd. Lescol Perfumery Co. McClintons, Ltd. Pears, A. & F., Ltd. Price's Patent Candle Co., Ltd. Resinol Chemical Co. Wright, L. yman & Umney, Ltd.</p> <p>Sodium Bicarbonate Brunner, Mond & Co., Ltd. Howards & Sons, Ltd. Humford, G. S., & Sons</p> <p>Soothers Newbery, F., & Sons, Ltd. Schutze, F., & Co., Ltd.</p>	<p>Spectacles Darton, F., & Co. Maw, S., Son & Sons</p> <p>Spermaceti Price's Patent Candle Co., Ltd.</p> <p>Sphygmometers Hicks, James J.</p> <p>Spices (Ground) Allen, Stafford, & Sons, Ltd. Goodall, Backhouse & Co.</p> <p>Spirit of Wine Burrough, J., Ltd. Calder, James, & Co., Ltd. Preston's Liverpool Distillery Co., Ltd.</p> <p>Sponges Internal Sponge Importers, Ltd.</p> <p>Sprays Benton & Stone, Ltd. Burge, Warren & Ridgley, Ltd. Christy, Thos., & Co. Hovenden, R., & Sons, Ltd. Marvel Company Maw, S., Son & Sons Parke, Davis & Co. Sangers Toogood, Wm., Ltd.</p> <p>Sprinkler Corks Betts & Co., Ltd.</p> <p>Spruce Beer Hobson, Joseph, & Son</p> <p>Starch Corn Products Co., Ltd. Mumford, G. S., & Sons</p> <p>Stills Bennett, Sons & Shears, Ltd. Forshaw, E., & Son, Ltd. Stokes, F. J., Machine Co.</p> <p>Stoppers Stipendun Stopper Co.</p> <p>Strychnine Carnegie Bros.</p> <p>Surgical Appliances & Dressings Allen & Hanburys, Ltd. Baiss Bros. & Stevenson, Ltd. Berliner, Arthur Ryhton, Astley & Co. Burgoyne, Burhidges & Co. Burroughs Wellcome & Co. Bush, Henry W., & Co., Ltd. Carnegie Bros. Dalmas, A. de St., & Co. Darton Gibbs Co. Galen Manfg. Co., Ltd. Gimber, W., & Son Haynes, G., & Co. Liverpool Lint Co. Macfarlan, J. F., & Co. Marvel Company Mason Bros. & Chapman Maw, S., Son & Sons May, Roberts & Co., Ltd. Queich, H. C., & Co. Reynolds & Branson, Ltd.</p>	<p>Robinson & Sons, Ltd. Seabury & Johnson Southall Bros. & Barclay, Ltd. Thermogene Co., Ltd. Timpson, John, & Co., Ltd. Van Horn & Sawtell Vernon & Co., Ltd. Warne, W., & Co., Ltd. Wood, Vincent Woolley, J., Sons & Co., Ltd.</p> <p>Suspensory Bandages Bailey, W. H., & Sons</p> <p>Syphons Farnett & Foster Garnal, Ltd. Idris & Co., Ltd. Pure Aeration Supply, Ltd. Sharman's Pat. Syphon Co., Ltd.</p> <p>Syringes Bush, H. W., & Co., Ltd.</p> <p>Syrups, Medicinal Fellows Med. Mnf. Co. Sinalco Co.</p> <p>Tablet Machinery Allen & Hanburys, Ltd. Bennett, Sons & Shears, Ltd. Thompson & Capper, Ltd. Wilkinson, S. W., & Co.</p> <p>Tablets, Compressed Allen & Hanburys, Ltd. Bishop, Alfred, Ltd. Blyton, Astley & Co. British Drug Houses, Ltd., The Brook, Parker & Co. Ltd. Burgoyne, Burhidges & Co. Cartwright, W. B., Ltd. Cox, A. H., & Co., Ltd. Davies, Sons & Co. Duncan, Flockhart & Co. Evans Sons Lescher & Webb, Ltd. Guest, Thos., & Co. Howards & Sons, Ltd. Jackson, Ernest, & Co. Johnson & Sons (Mfg. Chts.), Lloyd, H., & Co., Ltd. Parke, Davis & Co. Standard Tablet & Pill Co., Ltd. Thompson & Capper, Ltd. Vand Manfg. Co. Wigglesworth & Co.</p> <p>"Tabloid" Products Burroughs Wellcome & Co.</p> <p>Tap Jars Fulham Pottery & Cheavin Filter Co., Ltd.</p> <p>Tartaric Acid British Drug Houses, Ltd., The</p> <p>Tea Christy, Thos., & Co.</p> <p>Teats Ingram, J. G., & Son</p>	<p>Tin Box Makers Briton Perry Canister Co., Ltd. Goodall, Backhouse & Co. Liverpool Tin Canister Co., Ltd. Shirley Bros., Ltd.</p> <p>Tinctures in Bond Allen, Stafford, & Sons, Ltd. Macfarlan, J. F., & Co. Ransom, W., & Son, Ltd.</p> <p>Tobacco Singleton & Cole, Ltd.</p> <p>Toilet Paper Ayrton, Saunders & Co., Ltd. Burgoyne, Burhidges & Co. Ford, Shapland & Co. Townsend, J., & Sons</p> <p>Tooth Picks Odol Chemical Works</p> <p>Trade Marks Agents Barker, R. W. Ford, Shapland & Co. Haworth, John E.</p> <p>Trusses Bush, H. W., & Co., Ltd. Haywood, J. H., Ltd. Maw, S., Son & Sons Sangers Schutze, F., & Co., Ltd. Scientific Truss Co., Ltd. Wood, Vincent Woolley, J., Sons & Co., Ltd.</p> <p>Turned Wood Boxes Rogers & Co.</p> <p>Vacuum Pans Bennett, Sons & Shears, Ltd.</p> <p>Valuers Baker, P. C. Berdoe & Fish Brett & Co. Orridge & Co. Tomlinson, T., & Son</p> <p>Vanillin Greiff, R. W., & Co.</p> <p>Vaseline Chesbrough Manfg. Co.</p> <p>Vermin Killers Christy, T., & Co. Cupal, Ltd. Danzys Virus, Ltd. Evans Sons Lescher & Webb, Ltd. Farmer, F., & Co. Harley, Thomas Harrison, G. W. Hawker, Arthur E. London Hygienic Chem. Co. Miner's Chemical Co.</p> <p>Veterinary Instruments Mason Bros. & Chapman Maw, S., Son & Sons</p>	<p>Veterinary Remedies Chesbrough Manfg. Co. Christy, Thos., & Co. Ltd. Day & Sons (Crewe) Edwards, W., & Son Harvey & Co. (Dublin), Ltd. Senior, Alf., & Co. Tomlinson & Hayward, Ltd. Wyleys, Ltd.</p> <p>Vinegar Grimble & Co.</p> <p>Water Glass Barclay & Sons, Ltd. Tomlinson & Hayward, Ltd.</p> <p>Water Still Brown & Sons Stokes, F. J., Machine</p> <p>Waters, Concentrated Robinson, B., & Co., Ltd.</p> <p>Waxes Boehm F., Ltd. Price's Pat. Candle Co. Ltd.</p> <p>Weed Killers Harrison, G. W. Tomlinson & Hayward, Ltd.</p> <p>Window Fittings Ayrton-Graham, Ltd.</p> <p>Window Tickets Merten, F., & Co.</p> <p>Wines Burrough, J., Ltd.</p> <p>Wines, Medicated Burrough, J., Ltd. Burroughs Wellcome & Co. Coleman & Co., Ltd. Fletcher, Fletcher & Co., Ltd. Idris & Co., Ltd. Robinson, B., & Co., Ltd.</p> <p>Wines (Non-Alcoholic) Welsh Grape Juice Co. Ltd.</p> <p>Wrapping Machinery Forgrove Machinery Co. Ltd.</p> <p>Wrist Straps Solport Bros.</p> <p>Zinc Oxide Hubbuck, T., & Son, Ltd. Stevenson, H. E., & Co.</p>
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CAN BE ASSORTED.

Citrate of Magnesia equally Cheap.

FREE SHOWCARDS.

FREE PACKAGES.

State Requirements.



LIVER SALT.



LEMONADE CRYSTALS.



HEALTH SALT.

26/- per gross,
1 gross lots.

28/- per gross,
½ gross lots.

30/- per gross,
¼ gross lots.

5% discount,
Cash with
order.

26/- per gross,
1 gross lots.

28/- per gross,
½ gross lots.

30/- per gross,
¼ gross lots.

5% discount,
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**Manufacturing Chemists,
THE BRIDGE ST.,
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No Advance in Prices.Best British Make.

THE "VĒVAX" CRĒPE BANDAGE

Fast Woven Edge.

Approximately 76 per cent. Pure Wool. Can be washed. Is elastic and porous.



A perfect substitute for all rubber and elastic webbing for binding purposes.

Allows free circulation.

Self-clinging, light and soft in texture.

Sizes : 2 in. 2½ in. 3 in. 3½ in. 4 in. wide.
Prices : 10/- 12/- 13/6 14/9 18/- per doz.

Other sizes to Order only.

Usual Discounts.

Customer's Name and Address on Six Dozen Assorted.

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Depot:

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SUPPLIES AS USUAL.

We have Stocks of the following in London:

Acetanilid
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OF COST; also supply of interesting
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Prompt Delivery—Reasonable Prices

ACID ACETYL-SALICYLIC
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(including POTASSIUM GLYCEROPHOSPHATE)

LITHIUM CARBONATE
AND CITRATE
PHENACETIN
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POTASSIUM
PERMANGANATE
SODIUM SALICYLATE

AND ALL OTHER PHARMACEUTICAL CHEMICALS

MAY & BAKER, Ltd., BATTERSEA, LONDON

ALBUMOZO TONIC FOOD

Registered No. 299,515

A scientific combination of finest Milk Casein, and Sodium Glycerophosphates, also containing the only true nerve food, viz. Organic Phosphorus, in such a form that it can be easily absorbed and assimilated by the cells, thus strengthening the weakened nerves.



PRICE LIST.

	Wholesale.	To Retail at
2 oz.	8/- per doz. tins.	1/3 per tin.
4 oz.	12/6 "	2/- "
8 oz.	18/- "	3/6 "
16 oz.	30/- "	6/- "

TERMS.—14 days net or $2\frac{1}{2}\%$ discount for cash with order. An additional 5% will be allowed on orders up to the value of £5 assorted, or of one size.

PROFIT 110 PER CENT.

For the convenience of chemists who wish to pack under their own name, we also supply our Tonic Food in bulk, in packages of 7, 14 and 28 lb. Prices on application. Albumozo Tonic Food may also be had with an addition of Ovo Lecithin.

We shall be glad to send samples and literature to all parts of the world. Colonial inquiries specially solicited. Specially packed for the Tropics in glass bottles. Prices on application.

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Telegrams: "Albumozo London."

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BRUSHWARE
FOR
KITCHENER'S
100,000.

Maw's

S. MAW, SON & SONS
7 to 12, ALDERSGATE ST.
LONDON, E.C.



Page.

No. 154

SEPT. 26, 1914

FREE
STAND
FOR
CLINICALS.

NOTES & NEWS

There is nothing new about the phrase "British made" as applied to Maw's Feeding Bottles.

Further, only perfect bottles are sold. Air-bubbles, stones, badly formed necks, account for some 10 per cent. being rejected. These are only two of the causes of the supreme quality of Maw's Feeders, which, now foreign competition is eliminated, are the cheapest as well as the best. Prices of our two-hole Feeders of the hygienic type, with either transparent or black teats and valves, are:

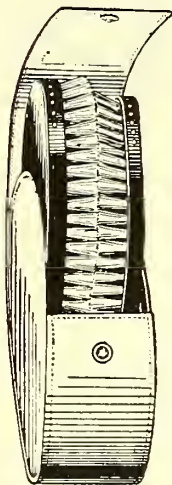
"Little Folks" Feeders,
4/10 dozen.

"Mamma" Feeders, 4/10 dozen.

Health Feeders, 5/- dozen.

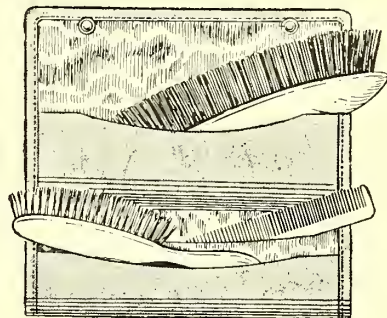
Remember these prices are subject to our usual discount. Chemists who wish to buy Tube Feeders at lowest rates should ask us to quote for quantities.

CONDENSED TOILET OUTFITS



B

These Brush Cases are suitable for travelling or campaigning. They occupy a minimum of space, as the following dimensions show:



A

A. No. 0632.—An efficient Hair Brush, Hat or Cloth Brush, and Comb, in fold-over Leather Case, 9 in. \times 3½ in. \times 1½ in. ... Price 10/6 each.

B. No. 0653.—Pair Brushes in case. Outside measurements, 4½ in. long by 2 in. deep, and 2½ in. wide. Stiff, penetrating bristle ... Price 10/6 per case.

One Brush with Comb, in flat pocket case ... 5/6 all.

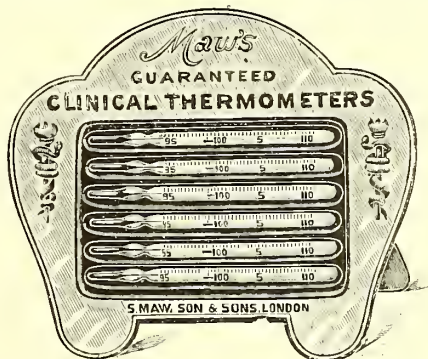
C. No. 0485.—A pair of Hair Brushes and Comb in a Pocket Book! 4½ in. \times 4 in. Thickness only ½ in. ... Per set 8/-

CLINICAL THERMOMETERS

At a time when nursing is occupying the attention of so many people, Clinical Thermometers should form a profitable addition to the stock of the Pharmacy. Our special offer is still open. We are prepared to send our new Show Stand, made of metal, aluminium finished with green lettering, complete with a selection of 6 of our bulbous Clinicals, for 4/6. They comprise two of each—half, one, and three minute patterns. The ordinary list price of the Thermometers alone is 5/4, and we

can only supply one set to each Chemist upon these special terms. It is important to note that Clinicals,

Stands and Cases are British made throughout. Full details and prices of our "Bulbous," "Tapering," and "Easy Set" Thermometers will be found on page 519 of our List.



OUR OPTICAL CORNER

During the past few weeks many young fellows, eager to enlist for the war, have been rejected solely on account of weak sight.

It occurs to us that a suitable window card could be prepared by Chemist-Opticians bearing wording somewhat as follows:

"IF YOUR SIGHT PREVENTED ENLISTMENT, YOU REQUIRE GLASSES. WE SUPPLY SPECTACLES AT ALL PRICES."

Meanwhile, we should like to remind our Customers that our Optical Department is executing repairs and prescription work promptly at ordinary prices. We should appreciate a trial order.

Do not sell German or Austrian Table Waters.

BRITISH WATERS ARE BETTER,
AND YIELD YOU A GOOD PROFIT



Tonalka

AN ALKALINE TONIC APERIENT WATER

*PLEASANT IN TASTE, CERTAIN
AND PAINLESS IN ACTION.*

TONALKA WATER is carefully prepared with Distilled Water and Pure Chemical Salts; it is of a constant and definite strength, not varying from time to time as is the case with many natural mineral waters.

It contains **Medicinal Salts** in the proportions found in the best Natural Aperient Waters.

TONALKA WATER is recommended

1. As a safe and mild aperient for prolonged use.
2. In cases of obstinate constipation.
3. As a remedy in bilious attacks.
4. As a corrective in indigestion.
5. As a preventive in cases of gravel and stone.
6. As a liver stimulant.
7. As a specific in Hæmorrhoids.
8. As a cure in Gouty and Rheumatic affections.

Supplied in Reputed Quart Bottles.

Wholesale Price - 5/6 per doz. net

(Delivered Free in London District)

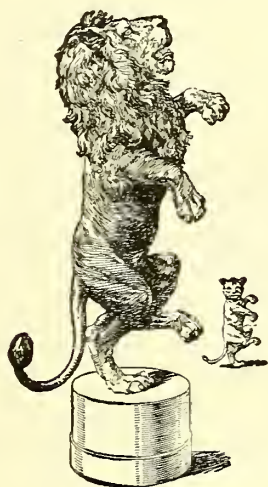
1/- per doz. allowed on Bottles when returned.

Minimum Retail Price 10/- per doz.

IDRIS & CO., LTD., PRATT STREET,
CAMDEN TOWN, N.W.

Branches—LIVERPOOL, SOUTHAMPTON, CANTERBURY.

(NO. 5 OF THE BRITISH LION AND THE PILL BOX)



"THE BOTTOMS OF 'ROBINSON-MADE'

PILL BOXES

ARE FAST IN."

SUPPORT
HOME INDUSTRIES
BY SPECIFYING
ROBINSON'S MAKE
WHEN ORDERING
FROM YOUR
WHOLESALE HOUSE
YOUR NEXT
SUPPLY OF
PILL BOXES.

ROBINSON & SONS, LTD.

CARDBOARD BOX MAKERS
TO THE CHEMIST TRADE,

CHESTERFIELD

ANNUAL OUTPUT NEARLY 200,000,000 BOXES.

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ENGLISH MADE

Beef Tea & Consommé Cubes

FOR PACKING UNDER OWN LABEL.

Quality Unsurpassed.**Prices Moderate.**

SEND FOR QUOTATIONS TO
TOOTH'S EXTRACT OF MEAT CO.,
23 LEMAN STREET, LONDON, E.

ESTABLISHED 1865.

Telegrams :
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*R. W. Greeff & Co. have the pleasure to
announce that they have succeeded in purchasing from
their friends in*

FRANCE

HOLLAND

SWITZERLAND

UNITED STATES

SUPPLIES OF VARIOUS

PHARMACEUTICAL AND PHOTOGRAPHIC PRODUCTS

Whilst the purchase prices have been largely increased since the outbreak of war, quotations will be found reasonable under present conditions.

Enquiries are invited for the following :—

ACETYL SALICYLIC ACID
BENZOIC ACID EX GUM
BROMIDE OF POTASSIUM
BROMIDE OF SODIUM
BROMIDE OF AMMONIUM
COCAIN HYDROCHLOR
COUMARIN CRYSTALS
CREOSOTE CARBONATE
DIAMIDOPHENOL HYDROCHLOR
GUAIACOL CARBONATE
HELIOTROPIN
HYDROQUINONE
ISAROL

LITHOL
MERCURIALS
PHENACETIN
PHENAZONE
PYROGALLIC ACID
PHENOLPHTHALEIN
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MAARSSSEN

BRAND



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The MAARSSSEN FACTORY (situated near UTRECHT)
in Holland, has at present the largest production in Europe of

QUININE AND QUININE SALTS

The QUALITY, CRYSTALLISATION, and COLOUR
of their production are the highest attained.

Supplies are available to the Trade.

Hitherto most of the output has been absorbed by a limited
number of buyers who recognised its superiority and uniformity.

Prices and samples on application.

WAR AND NERVES



Without a doubt, the excitement and anxiety of these stirring times are causing multitudes of splitting headaches and nervy pains of just the kind that a "Daisy" and 40 winks on the couch so quickly and completely cures.

That is why you should keep "Daisy" to the front; in the window and on the counter. There's a large, increasing, and profitable business to be done which you can't afford to miss.

A few of our artistic showcards and large dummy boxes, well displayed in the window, will remind the public where to buy, bring the customers right up to the counter, and their money into your till. May we send you a free parcel, carriage paid?

WRITE NOW.

DAISY, LTD., Mammoth Works, **LEEDS.**

THERE'S MORE PROFIT



We've often said it before, but it's truer than ever to-day:—'There's more profit for the live chemist in selling "Daisy" daily and pocketing the substantial profits it yields, than in pushing his own or any obscure brand of powders which the public neither ask for nor want.'

In spite of the amazing increases in the prices of drugs, our trade prices, discounts, and credit terms remain unchanged. Our profits, for the time being, are seriously curtailed, but your profits on "Daisy" remain the same—100% on the bulk of the sales.

How is your stock of "Daisy"? We solicit your orders and inquiries direct, and will do all that we can to make business easy during the war.

WRITE NOW.

DAISY, LTD., Mammoth Works, **LEEDS.**

READY! AYE, READY!

WITH SUPPLIES OF ALL SORTS OF

DRUGGISTS' SUNDRIES

**BUSH'S
TRIANGULAR**



BANDAGE.

A BANDAGE OF SERVICE IN PRACTICALLY ALL CASES OF ACCIDENT & WOUNDS.

Lowest prices for quantities on application.

ALSO

THE FAVOURITE LINE
FIRST - AID POCKET CASES



SPECIAL QUOTATIONS FOR QUANTITIES.

SEE ILLUSTRATED CATALOGUE.

HENRY W. BUSH & CO., LTD.
REMBRANDT WORKS,
COMMERCIAL STREET, LONDON.

SOUTHALLS'

TOWELS

Notwithstanding the enormous demand for Surgical Dressings caused by the War, SOUTHALLS' TOWELS can be supplied from stock.

No alteration in
Quality, Size or Price.

Illustrated and priced Booklets, containing particulars of various free advertising helps for window and counter, and full range of Sanitary Specialities free on application.

SOUTHALL BROS. & BARCLAY, Limited, BIRMINGHAM.

SURGICAL ZOTAL

The Ideal Disinfectant.

NO INCREASE IN PRICE.

SURGICAL ZOTAL is in no sense a mysterious compound; it is composed of Cresols and higher bodies, and is therefore the best germicide known to science.

SURGICAL ZOTAL is capable of being used in the presence of organic matter without its efficiency being diminished.

SURGICAL ZOTAL forms a clear solution and has no corrosive action on metal, and is ideal for the sterilisation of wounds and dressings and for the disinfection of Surgical Instruments.

SURGICAL ZOTAL is sold with a definite guarantee as to its germicidal efficiency.

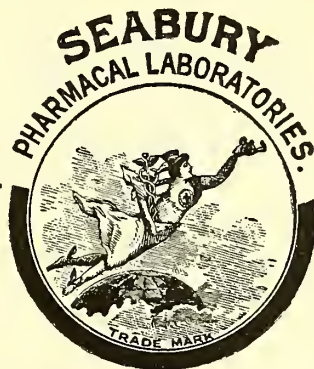
SURGICAL ZOTAL is used in a large number of the principal Hospitals throughout the world.

Put up in

$\frac{1}{2}$ pint Bottles	...	7/9 per dozen
1 pint Bottles	...	14/6 „ „
1 gall. drums (free)		6/- each.

Manufactured solely at the East Ham Works of

BURGOYNE, BURBIDGES & CO.



SEABURY'S ABSORBENT COTTON

No Advance in Price.

¶ This fine quality Absorbent Cotton is supplied in continuous layers, interleaved or otherwise, as required. It is packed in dust-proof cartons containing the full weight of Cotton (16 oz. net to lb.), exclusive of carton and tissue.

¶ The essential requirements of long fibre, rapidly Absorbent Cotton for surgical purposes has, in the present crisis, caused an unprecedented demand for Seabury's Absorbent Cotton. Our stock arrangements, however, are such that we are able to supply as from this date until further notice at the following Seabury & Johnson current list prices, *subject to usual discount.*

	Per lb.		Per lb.
16 oz.	- - 1/8	2 oz.	- - 2/6
8 oz.	- - 1/11	1 oz.	- - 2/9
4 oz.	- - 2/3	1/2 oz.	- - 3/6

Special quotations for quantities.

SEABURY & JOHNSON

Sole Representatives—FASSETT & JOHNSON, 86 Clerkenwell Road, LONDON, E.C.

SOME OF THE "VASELINE" SPECIALITIES AND THEIR PRICES.

Yellow.

PENNY TINS	7/- per gross.
TWOPENNY TINS	13/- "
Blue Seal No. 1 size, in boxes of 1 gross	18/6 "
" 1 " " " 3 dozen	18/9 "
" 2 " " " 1 " "	37/- "
Collapsible tubes, No. 1 size, 2/6.	No. 2 size, 5/- doz.
No. 1 size, bottle, in cardboard case	3/- per doz.
" 2 " " " " " "	5/- "
1/2-lb. tins, round	6/3 "
1 " " square	10/6 "
5 " " " " " " "	30/- "
10 " " " " " " "	5/- per tin.
25 " " " " " " "	12/- "
50 " " " " " " "	23/- "

White.

Twopenny Tins (three doz. in box)	13/6 per gross.
Collapsible tubes, No. 1 size	3/4 per doz.
" " " 2 " " "	5/3 "
Blue Seal, in bottle, carton	3/6 "
No. 1, 3-oz. size, in cartons	6/- "
" 2, 6-oz. " " "	10/- "
1/2-lb. tins, round " " "	10/- "
1 " " square " " "	17/- "
5 " " " " " " "	60/- "
10 " " " " " " "	9/3 per tin.
25 " " " " " " "	22/- "
50 " " " " " " "	41/6 "

Red or Veterinary.

1/2-lb. tins, round	4/- per doz.
1 " " square	6/8 "
5 " " " " " " "	22/- "
10 " " " " " " "	3/6 per tin.
25 " " " " " " "	7/6 "
50 " " " " " " "	13/4 "
Half-barrels, about 1 1/2 cwt.	28/- per cwt.
Barrels, about 3 cwt.	24/6 "

Carbolated-Veterinary.

1-lb. tins	7/- per doz.
5 " " " " " " "	2/- per tin.
10 " " " " " " "	3/8 " "

Sulpho for Dogs.

In jars	9/3 per doz.
In 5-lb. tins	4/8 each.
10-lb. tins	8/- each.

White Liquid.

No. 0 size bottle	8/3 per doz.
" 1 " " " " " "	16/6 "
" 2 " " " " " "	24/9 "
1 gallon cans	10/4 per tin.

Analgin	9/- per doz. tubes.
Borated	4/6, 7/6 "
Camphorated	5/-, 7/6 "
Capsicum	5/7, 9/- "
Carbolated	4/3, 7/6 "
Mentholated	5/7, 9/- "
Oxide of Zinc	5/7, 9/- "

Perfumed White.

Collapsible Tubes	4/3
No. 1 (bottle in carton)	8/3 per doz.
" 2 size, handsome bottle in carton, with glass stoppers	12/6 "

Hair Tonic.

No. 1 size	8/9 per doz.
" 2 " " " " " "	17/6 "

Pomade.

Blue Seal No. 1 size, in boxes of 1 gross	20/- per gross.
" 1 " " " 3 dozen	20/6 "
" 2 " " " 1 " "	62/- "
Collapsible Tubes	2/9 per doz.
No. 1 size, bottle, in cardboard case	3/10 "
" 2 " " " " " "	7/9 "
White and Quinine Pomade	8/3 "

Perfumed Oil.

One size, in bottles (for the Hair) ...	6/9 per doz.
---	--------------

"Vaseline" Soaps.

UNSCENTED.

3d. tablets, boxes of 1/2 doz. tablets, 27/-	per gross tablets.
--	--------------------

PERFUMED.

3d. tablets, boxes of 1/2 doz. tablets, 27/-	per gross tablets.
--	--------------------

SUPERFINE.

Delicately perfumed, box of 3 tablets, 5/-	per doz. tablets.
--	-------------------

TAR.

3d. tablets, boxes of 6 tablets ...	27/- per gross tablets.
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"VASELINE" is the Registered Trade Mark of the

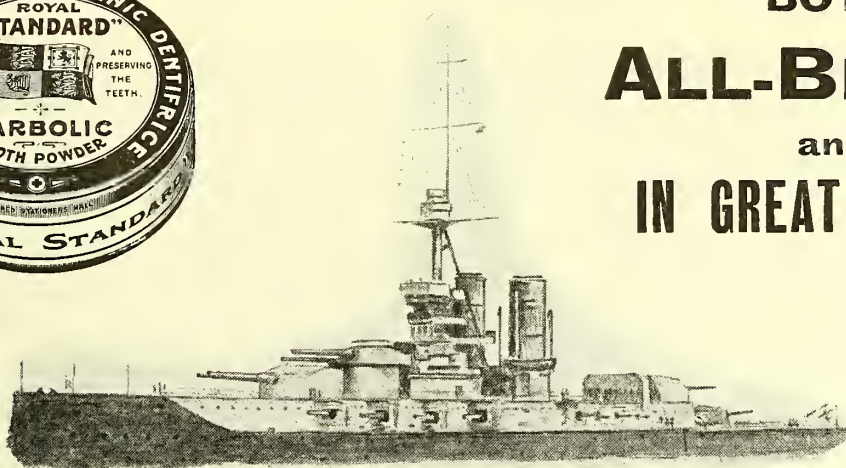
CHESEBROUGH MANUFACTURING CO.,
(CONSOLIDATED) NEW YORK,

42 HOLBORN VIADUCT, LONDON, E.C.

Complete Price List sent on application.



BOTH
ALL-BRITISH
and
IN GREAT DEMAND.



A British Tooth Powder manufactured by British Labour—**A line the Public are asking for**—sells with extraordinary rapidity.

SAMPLES ON APPLICATION TO

F. NEWBERY & SONS, Ltd.

27 & 28, Charterhouse Square, LONDON, E.C.

14/-
&
24/-
PER GROSS
NETT.





THE
WORLD'S
STANDARD

THE
WORLD'S
STANDARD

**GLOBE
POWDERED
STARCH**

Packed in 140-lb. and 280-lb. Bags.

CORN PRODUCTS CO., LTD.
40 TRINITY SQUARE, LONDON, E.C.

Hang the Wallpaper

WITH

"DAXO"

Adhesive Paste Powder

A 2d. Packet makes 2 gallons Perfect Paperhanging Paste, simply with the addition of Boiling Water.

SOLE MANUFACTURERS—

HOLIDAY & CO., CITY MILLS, DURHAM.

BRILLIANT PLATE.

"ALBATUM OR WHITE ROUGE"

GIVES A UNIQUE POLISH TO ALL SILVER AND ELECTROPLATED GOODS.

In 6d. and 1/- Boxes, and Tins, 2/-

BRADLEY AND BOURDAS,
6 PONT STREET, S.W.

Headquarters
for

Photographics

Chemists should write us for PRICE LIST and full particulars of all Photo requisites.

W. BUTCHER & SONS, Ltd. CAMERA HOUSE, FARRINGTON AV., E.C.

See our advt. on pages 580 & 581, the "C. & D." Diary, 1914.

ABSORBENT LINTS **BANDAGES, COTTON WOOLS, GAUZE, &c. &c.**

Tel. Add.: "LINT PRESTON."
Tel. No.: 323 PRESTON.

WHOLESALE ONLY.

A B C Code,
5th Edition.

Goods supplied in various qualities.

Apply for samples and prices.

VERNON & CO., LTD., Penwortham Mills, **PRESTON.**

Agent: T. J. SANDERSON, 9 Fore Street Avenue, London, E.C. Tel. No. 288 London Wall.

Place your Winter Contract now
FOR
MALT & OIL, COD LIVER OIL,
MALT EXTRACT

AT NORMAL PRICES. **AT NORMAL PRICES.**

Finest Scotch Malt, Finest Norwegian Oil, Finest English Bottles and Jars.

SPUN OINTMENTS

(Regd. Trade Mark.)

impalpable and absolutely uniform,
are now the standard of quality.

And CREAMS of every kind for HOME and EXPORT trade.

Spun Ointments are the production of Shen Works only.

All B.P. Ointments are now spun.

ROBERT BLACKIE, WHOLESALE AND EXPORT
MANUFACTURING CHEMIST,

Head Office, Mills and Laboratory—

SHEN WORKS, Tower Bridge Road, LONDON, S.E.

"Semprolin"

EMULSION

Are you unable to meet the demand for liquid paraffin ?
If so, bring "Semprolin" Emulsion to the notice of your
customers. They will appreciate the attention.

"Semprolin" Emulsion contains SIXTY PER CENT.
of the purest liquid paraffin of the correct specific gravity
for internal use. It will do all that liquid paraffin can do
internally and it is far more palatable. "Semprolin"
Cream is a thick cream, chocolate flavoured, containing
70% of liquid paraffin.

Eminent medical men are prescribing "Semprolin"
Preparations. They are entirely British made.

SEND FOR PRICE LIST OF "SEMPROLIN"
EMULSION AND ITS COMBINATIONS.

PROFIT.

"Semprolin" Petroleum
Preparations yield a Profit
of at least 25%. They
are high-class goods which
sell quickly.

Excellent lines for Phar-
macists to deal in.

P.A.T.A. TERMS

FOR

"Semprolin" Emulsion.

Min. Retail.	Per Doz.
1 0	8/6
2 3	19/6
4/0	36/0

Special Discount of 5%
for Cash with Order.

Carriage Paid in U.K. for
orders value £2.

P.A.T.A. Prices
of "Semprolin" Emulsion
Combinations on application.

William Browning & Co.
 MANUFACTURING CHEMISTS
4, Lambeth Palace Road, London, S.E.
 Telephone: Hop 3217. Telegrams: "Semprolin, Lamb. London."



This Plastic Model, $20 \times 15\frac{1}{2}$ in., is given free with a contract of 3 gross Cod Liver Oil Emulsion. A small charge is made for lesser quantities.

It makes a very fine advertising display, and pharmacists who adopt it may reckon on having something out of the ordinary.

We are prepared to negotiate now for the exclusive use in particular districts of special wrappers or labels.

We give every help in the way of forceful and telling showcards.

Please specify the quantity of Emulsion that you buy over the season, and we shall then quote you prices for a contract, and submit you labels and wrappers for approval.

EVANS, SONS, LESCHER & WEBB, LTD.,
LONDON and LIVERPOOL.

BAISS BROTHERS & STEVENSON'S EMULSION

OF COD LIVER OIL

is the Emulsion that gained the **GOLD MEDAL** at the XVIIth International Congress of Medicine last year—a better Emulsion is not obtainable. We are prepared to book Winter requirements at Current Rates. Should the War be prolonged prices will rise; Pharmacists should therefore make sure of their supply **NOW**. Particulars on request.

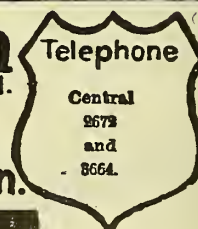


Baiss Brothers & Stevenson

Limited.

MANUFACTURING CHEMISTS & WHOLESALE DRUGGISTS

174-175 Grange Rd., Bermondsey, London.



SANAPHOS

An organically Phosphated Milk Product,
prepared under strict scientific control in a

British Factory from All British Materials.

Nutrient, Restorative & Activating.

INDICATIONS.—Mental and Physical Fatigue,
and Nervous Breakdown, Insomnia and Neurasthenia.

Fixed Retail Prices :

1/-

1/6

2/6

5/-

Wholesale Prices :

9/- per doz.

13/6 „

22/6 „

45/- „

The above prices show a net profit to the Distributor of

TWENTY-FIVE PER CENT.

SPECIAL DISCOUNTS FOR LARGE QUANTITIES.

For Samples and all Particulars apply—

THE BRITISH MILK PRODUCTS CO., LTD.,
69 MARK LANE, LONDON, E.C.

NO SHORTAGE OF



**FRAME
FOOD.**

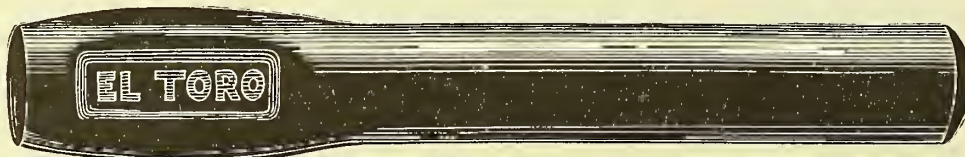
**CHEMISTS SHOULD RECOMMEND IT.
PRICE MODERATE. PROFIT GOOD.**

On P.A.T.A. List.

Showcards on Application.

**FRAME FOOD CO.,
STANDEN ROAD,
SOUTHFIELDS, LONDON.**

DROGUERIES & HUILERIES ANVERSOISES, LTD., ANTWERP, BELGIUM.
LIQUORICE MANUFACTURERS.



Own Plant
for
Liquorice
Extracting
from first-
class roots.

GUARANTEED PURE REFINED EXTRACT OF LIQUORICE.

BRIGHT, SOLUBLE.

In sticks of 8 and 5 to lb., or according to buyer's convenience. Sticks with buyer's own mark or name if desired; packed in cases of 1 cwt.

Glycyrrhizinate Amon. 70/72-80/82.

LIQUORICE ROOTS in Bundles.

Wholesale only.

“ FERROCARNIS ”

**A pleasantly flavoured solution of iron in organic combination with
BRAND'S Concentrated Raw Meat Juice.**

Ferrocarnis combines the stimulating properties of meat juice with the tonic effect of iron. This product does not cause constipation, and thus affords a means of administering iron to patients who are unable to take ordinary iron preparations.

PREPARED BY

BRAND & CO., LTD., MAYFAIR WORKS,
SOUTH LAMBETH ROAD, S.W.

THERE HAS BEEN NO
CHANGE IN THE PRICES OF

Horlick's Malted Milk

OR

Horlick's Malted Milk LUNCH TABLETS!

Price List.

In Powder and Tablet Forms.

Packed in hermetically-sealed bottles as follows :—

Prices in England.	Liquid Capacity of Bottles.		
1/6 size	- 9 oz.	-	14/9 Per doz.
	Packed 1 doz. in a case.		
2/6 size	- 19 oz.	-	24/9 Per doz.
	Packed 1 doz. in a case.		
11/- size	- 98/oz.	-	108/- Per doz.
	Packed 2, 3 and 4 in a case.		

We pay carriage in United Kingdom on assortments netting £8 8s. 0d., provided 1/6 and 2/6 are in dozs. and the 11/- in threes or fours. We do not break original cases. Net monthly account. 1% for cash within seven days from date of invoice.

1/- Flasks, Tablets only, 9/- per dozen.

Packed 1 doz. in a carton for display on the counter.

Correspondence invited.

**HORLICK'S MALTED MILK CO., Slough, Bucks.,
ENGLAND.**



WHOLESALE & EXPORT

MANUFACTURERS OF

Lozenges

Compressed Tablets

Boiled Sugars

Pastilles

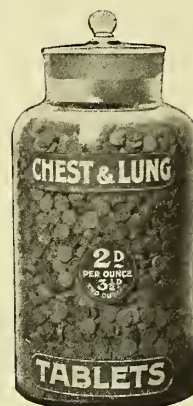
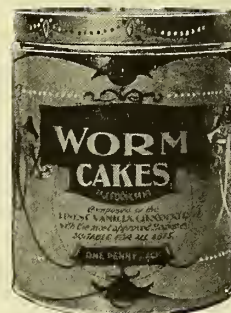
Chocolate Worm Cakes

Cachous

Packed Proprietaries
IN ENAMELLED TINS.

T. GUEST & CO.

CARRUTHERS STREET,
ANGOATS, MANCHESTER.



Lofthouse & Saltmer, Ltd.

Wholesale and Export Drug Merchants,
Manufacturing Chemists

HULL

Invite the Trade to take up the following valuable P.A.T.A. Protected Lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

	Protected Retail Price.	Dozen Net.
* LOSALL'S SALT (well advertised), tins	6d.	3 6
* " " " " " "	1/-	7/-
* " " " " " bottles in cartons	1/6	10/6

* Losall's Salt sells so well, surely it must pay Pharmacists to stock such a big profit-bearing protected line.

LOSALL'S COMPOUND SULPHUR SOAP.

A valuable emollient medicated skin soap, especially suitable for use in Eczema 1/- 8/-

Chemists requiring effective advertising matter for Losall's Salt, &c., will, on application direct to Lofthouse & Saltmer, receive a liberal supply of Dummies, Showcards, Window Slips, Price Tickets, &c., Carriage Paid, whether or no they have an account open with the Firm.

SPECIAL TERMS ARE OFFERED FOR
WHOLE OR PART WINDOW DISPLAYS.

Genuine Thermos Flasks

NEW PATTERNS FOR 1914.

Immense Improvements!

PRICES TO SUIT
EVERYBODY.



Retail Price

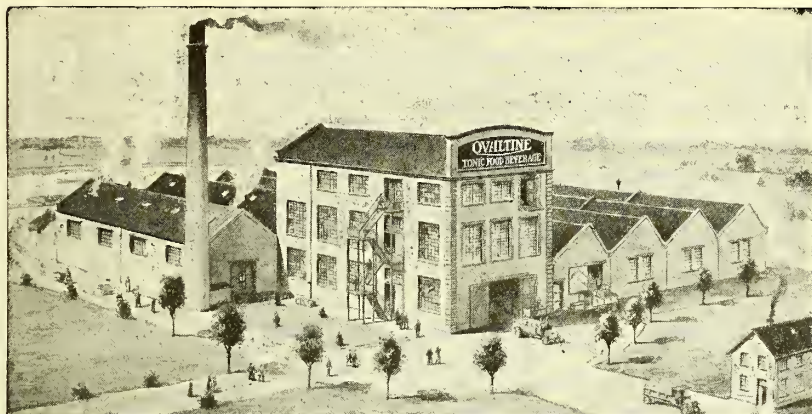
from **2/6** each.

LIBERAL TRADE
DISCOUNT.

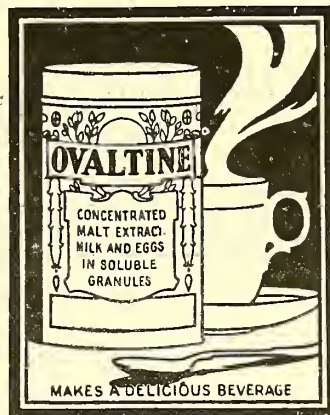
WRITE FOR FEBRUARY
1914 PRICE LIST.

Sole Manufacturers and Distributors :—

Thermos Limited, 8 Long Lane,
Aldersgate Street, London, E.C.



THE KING'S LANGLEY WORKS.



'Ovaltine,' 'Wander' Malt Extract Products, and 'Formitrol' Formalin Pastilles are made at the Company's Works at King's Langley in Hertfordshire, entirely by British Labour and British Control. No German or Austrian Capital is employed.

There is no increase in the wholesale or retail prices of 'Ovaltine' or other 'Wander' Products. Retailers experiencing any difficulty in obtaining supplies are asked to kindly communicate with the manufacturers, as they have no difficulty in executing any orders.

**A. WANDER, LTD., 45 COWCROSS STREET, LONDON, E.C.
WORKS: KING'S LANGLEY, HERTFORDSHIRE.**

'OVALTINE'

THE SAPONIFIED CRESYLIC DISINFECTANT
OF
BRITISH MANUFACTURE
ACROSYL

(REGISTERED).

CHIEF CHARACTERISTICS:

- (1) Only the finest selected Cresols employed in its production.
- (2) Higher Carbolic Co-efficient than any other similar preparation.
- (3) Non-caustic, non-irritant, under normal conditions and circumstances.
- (4) Unequalled for use in MIDWIFERY, GENERAL SURGERY, and PERSONAL HYGIENE.

**N.B.—Every Medical Man has recently
received Literature on ACROSYL.**

PRICES:

$\frac{1}{2}$ lb. Size	Retails at 1/-	Wholesale 8/6 per Dozen.
1 lb. " " "	1/8	13/- " "

Thus yielding a Profit of approximately 30% TO PHARMACISTS.

STOCK HELD BY ALL THE WHOLESALE HOUSES.

THE ACROSYL CO., Sutherland House,
LLOYD'S AVENUE, LONDON, E.C.
WORKS: RUABON, N. WALES. ESTABLISHED 1862.

Order at Once.

A SPECIAL 5% BONUS

will be given on all orders for

PLASMON COCOA

RECEIVED BETWEEN THE
16th and 30th SEPTEMBER, 1914.

Also order a line of the wonderful new economical
and delicious food-beverage

PLASMON OAT-COCOA

to retail at 1/4 per lb. ($4\frac{1}{2}$ d. per
 $\frac{1}{4}$ lb. tin) equal to 3 cups a 1d.

**NOTE THE LIBERAL PROFITS TO THE TRADE—3d. on each lb. tin—
 $\frac{3}{4}$ d. on each $\frac{1}{4}$ -lb. tin—exclusive of our usual discounts.**

**No Increase in the Price of
any Plasmon Preparation.**

ALL BRITISH GOODS — ALL BRITISH CONTROL.

PLASMON, LTD., FARRINGTON ST.,
LONDON, E.C.

PAROUBEK'S

"FOLDO"

LACING

FINGER STALLS

(BLACK OR TAN)

3/9 PER DOZEN.



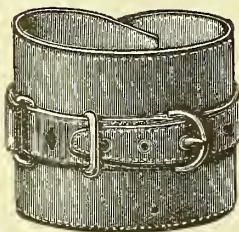
PAROUBEK'S "TRIUMPH" WRIST STRAPS

(Felt lined). 3/9 per doz.

BOTH THE BEST.

Of all Wholesale Houses.
Sole Consignees for Great Britain
and Colonies:

SOLPORT BROS.
184-190 GOSWELL RD.,
LONDON, E.C.



OVER 100% PROFIT!
ENSURED & PROTECTED (P.A.T.A.)
for sellers of

Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail.	Minimum wholesale.	
1/-	...	1/-	...
1/6	...	1/6	...
2/6	...	2/3	...
3/6	...	3/3	...
		7/6	per doz.
		9/-	less 5%
		15/-	discount
		21/-	

SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).

Do. 6 doz. do. 8 bottles gratis.

Do. 12 doz. do. 18 bottles gratis.

Equivalent in the case of the size in most general demand, viz. 1/6 size to 4/6, 12/- and 27/- respectively.

SOLE PROPRIETORS—

C. R. HARKER, STAGG & MORGAN,
LTD.

DEVON WHARF,

Emmott Street, Mile End, London, E.

Registered.

KYHO

Registered.

(Protected by the P.A.T.A.)

The Wonderful New HAIR RESTORER

Cooling and refreshing to the scalp, promoting new growth and restoring the natural vigour of the Hair.

Contains no grease or colouring matter, yet has been found to revive the natural pigment.

Sold in bottles, 2/6; minimum retail price, 2/3.

To the Trade, 21/- per doz. from all the leading Wholesale Houses, or from the

KYHO PROPRIETARY, Ltd., 17 Victoria St., S.W.

A Special **BRILLIANTINE** and a **SHAMPOO FLUID** are also supplied to be used with **KYHO**. 1/- per bottle; 9/- doz to trade.

For further particulars see our full page advt. in "The Chemist & Druggist," March 30, 1912.



London Agent: Mr. WALTER ELLIS,
116 Devonshire Road, Forest Hill, S.E.

Radiozone (Oxygen) Baths

FOR the administration of Oxygen in a concentrated and highly nascent condition. Specially valuable in cardiac cases, with high arterial tension, in nervous and vaso-motor disturbances, insomnia, and auto-intoxication.

Patentees and Sole Manufacturers:

WRIGHT & CO., Silverlands, Buxton, England.

Prices and Literature on Application.

The Best Paying 1d. Line is

SOFTO

FOR CHAPPED HANDS.

WHOLESALE PRICES.

1 gross "Softo" with 4 doz. bonus	-	-	8 0
1/2 gross " " 1 1/2 doz. " "	-	-	8 0
3 doz. " " 1 doz. " "	-	-	1 8

A Chemist writes: "Please send our goods immediately, as the 1 doz 'Softo' was cleared in a day."

The SOFTO Manufacturing Co.

33 Edgware Road, Park Lane, W.



Patriotism and Profits

In making your arrangements to meet the present natural determination of all true Britons to insist

upon goods of British manufacture—remember that McClinton's Soaps and Toilet Preparations are owned and manufactured entirely by loyal subjects of His Majesty, and that it will be the endeavour of the proprietors to "carry

on as usual" a business upon which the inhabitants of Donaghmore are almost entirely dependent. Remember, too, that the profits to yourself in handling McClinton's products are *above* the average. Their unique qualities alone have won an increasing popularity throughout the Empire for

McClinton's Colleen Soap and Toilet Preparations

FREE FROM ANIMAL MATTER OR MINERAL SODA.

Used and recommended by some 200 members of the British Aristocracy, and our guarantee of satisfaction or money refunded covers every preparation we manufacture.

LORD ROBERTS and LORD CHARLES BERESFORD use and recommend McClinton's Shaving Soaps. McClinton's "Colleen" Soap, box of 3 cakes, 1/- . McClinton's Toilet Cream, 1/- . McClinton's Talcum Powder, in tins, 9d. McClinton's Tooth Powder, in tins, 6d. McClinton's "Hibernia" Shaving Stick, 1/- . McClinton's Shaving Cream, in opal jars, 6d. and 1/- . McClinton's "Colleen" and "Sheila" Perfumes, 1/-, 1/6, 2/6, and 4/- . McClinton's "Colleen" Shampoo, Wet or Dry, 2d. a packet, 7 for 1/- .

Write To-day for Price List and Trade Terms.

McClinton's, Ltd., Donaghmore, Ireland

Our
ROSE, JASMIN & NEROLI
Synthetics

can be used in the place of the Natural Oils to great advantage, at a much cheaper cost.

BLUE BAND BRAND

SICILIAN ESSENTIAL OILS,

guaranteed absolutely pure, from our own works in Messina.

DIRECT IMPORTERS OF
FINEST VALENCIA SAFFRON,
guaranteed genuine B.P.

SAMPLES AND PRICES ON APPLICATION.

FELICE BONAVENTURA & CO.,

98 Great Tower Street, LONDON, E.C.

Telephone No.:
Avenue 2743.

Telegraphic Address:
"Felibona London."

Ask for General Price List.

STOCK
BRITISH - MADE GOODS

especially those that show
you a good profit.

ANZORA CREAM

the preparation that
MASTERS THE HAIR

shows you a protected profit of 80 %
when purchased in 3-dozen lots.

TRADE TERMS :

11/6 per dozen. Retail at 18/-

19/6 " " 30/-

10 % discount on orders of 3 dozen and upwards.

Order through any Wholesaler,
and send a card to us for advertising matter.

THE ANZORA PERFUMERY CO.

32-34 WILLESSEN LANE, LONDON, N.W.

GEORGE LUEDERS & CO.

NEW YORK,
218, 220 & 211 Pearl Street.

CHICAGO,
301 W. Randolph Street.

SAN FRANCISCO, CAL.,
11 Main Street.

MONTREAL, 396 St. Paul Street.

MEXICO CITY, Av. Independencia 10.

Letters address : P.O.B. 1498 NEW YORK.

Cable address : "GUALACUM."

Import and Export :

Essential Oils, Olive Oil, Vanilla Beans,
Natural and Synthetic Perfumers' Materials.

A. W. SCHWARZ

Chemical Manufactory,
ALTSTETTEN-ZURICH, SWITZERLAND.

SYNTHETIC PERFUMES

Abricotine, Amber
Ambrette, Ambrettine
Apple Blossom
Bergamott (Artificial)
Biancol, Biosine
Bouvardine, Capucine
Carnation, Cassie
Castoreum
Chirassol, Citral
Clover (Trèfle)
Coumarine, Cyclamine
Fern liquid
Fixateur, Fleuréol
Gardenia, Genetol
Geraniol, Glycine

Géranium-Roseine
Heliotrope (white)
Heliotropine, Honey
Honeysuckle
Hyacinth, Indol
Irine A., Irine B
Irine C., Irine D.
Iris of Florence
Iris liquid. Lavender
Linalool
Lilac Flower
Lily of the Valley
Lime Flower (Tilleul)
Mignonette (Rosedal)

Specialities :

Mimosa, Musc C.
Musc Xylène
Musc liquid
Monoviola
Narcissus, Neroli
New-Mown Hay
Pelopomine
Peony
Radialine, Raldine
Rose de Dijon
Rose d'Orient
Roseine
Royal Oak
Safranor

ESSENTIAL OILS

Special Violet
Sweet Pea
Thyme, Trefine
True Violet
Tuberose
Vanilline
Violet Flower
Violet Verdure
Violet d'Azour
Wallflower
White Violet
Ygeana
Ylangol (artificial)
Yranol

Price List and Samples on demand.

PAYS THREE WAYS



1. 100 % GUARANTEED PROFIT.

Eucryl is on the P.A.T.A. list. There's no risk—no price cutting. Your profit is a dead certainty—and it's *100 % every time—all the time.*

2. REPEAT ORDERS.

Eucryl assures the "once used always used" habit. Its quality is so good that it allows you the 100 % profit and *yet* satisfies those who use it—bringing them back for more.

3. NEW CUSTOMERS.

Eucryl sales have a cumulative effect—every user is a salesman and recommends it to relatives, friends and acquaintances. Eucryl doesn't need pushing—it sells itself.

Accept this BONUS OFFER

Send an opening order for three dozen and we will include one dozen 6d. tins extra and free of charge. (This offer of one dozen 6d. tins free also applies to all repeat orders of six dozen at 3/6 per dozen, net, carriage paid.) Free samples, showcards, advertising matter—Selling Helps—supplied with every order for "The Dentifrice paying 100 % Profit !"

EUCRYL, LIMITED, 61/63 Lant Street,
Southwark, London, S.E.



EUCRYL TOOTH POWDER

Headquarters for Pharmaceutical Products made in Switzerland

Please note that I am able to deliver my products in London, via Rotterdam, in from 8 to 10 days from receipt of order. I have large stocks in hand of the following articles :

QUININ. ETHYL CARB. P.HIV.
 " HYDROCHLOR. B.P.
 " SULPHATE B.P.
 " BI-SULPHATE.
 ARGENT. PROTEINIC. 8.3%
 " COLLOIDAL 78 1/2%
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SULFOTHYOL (ICHTHYOL-SUBSTITUTE).
 TANNIN ALBUMINAT. EX OVI & EX SANG.
 VANILLIN 100% CHEM. PURE.
 COUMARIN.
 ACID. ACETYL-SALICYLIC.
 ACID. DIETHYLBARBITURIC P.H.IV.
 MERCURIAL PREPARATIONS.

Kindly send me your inquiries.

HERM. MADOERY,
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Offices: BASLE.

Works: BINNINGEN, near BASLE (SWITZERLAND).

SMITH'S POTASSIUM COMPOUND.



The only modern up-to-date
 remedy for

RHEUMATISM & GOUT

(In tablet form, packed in screw-
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Two sizes { 40 Tablets, retail 1/1 1/2
 100 " " " 2/9

RETAILER'S PROFIT 40%
 ON COST.

From all Wholesalers, or direct from—

THE LONDON PROPRIETARY CO.
 3 St. Andrew's Street, London, E.C.

FREE

Sample 6d. and 1/- tin, with
 handsome showcard and trade
 terms, post free on receipt of
 trade billhead.

GRIFFITHS'

Oxyron PLATE
 POWDER

LARGE 6d. and 1/- TINS.
 MAKES SILVER LIKE NEW.

This Plate Powder contains a certain proportion of our
 celebrated Oxyro, as manufactured and supplied by us
 to the leading Silversmiths for nearly a century, by
 which the brilliant polish upon new silver is obtained

Sole Manufacturers—

T. D. GRIFFITHS & CO. (Estab. 1829),
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MANICURE PREPARATIONS
 ARE THE BEST.

PRICHARD & CONSTANCE, 469 Holloway Rd., London, N.
 SPECIALITY—AMAMI NAIL POLISHING STONE.

ALL CHEMISTS
 SHOULD STOCK

ABDINE

THE GOLD MEDAL FRUIT DRINK.

Quick Seller. Big Profits. Millions sold annually.

"ABDINE" is the most popular Health Drink. Superior to all Mineral
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Order through your Wholesale Drug House.

D. M'GLASHAN, M.P.S., 12 West End Place, EDINBURGH.

Wholesale Prices on Application.

L. GIVAUDAN,

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Manufacturer of all kinds of

SYNTHETIC & AROMATIC CHEMICALS

Acetate of Linalyl

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Cinnamic

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Phenylethyllic

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Telephone Number: Avenue 83.

Telegraphic Address: "Muskinol-Bilgate, London."

AMERICAN BRANCH: Geo. Lueders & Co.,
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Each in a nobby little hat, 24/- per gross Net.
 Also Powder, in Envelopes @ 12/- per gross Net.
 A. SENIER & CO., 195 Seven Sisters Rd. London, N.

Indiarubber Hot Water Bottles.

BEST BRITISH MANUFACTURE.

REDUCED PRICES.

TOOGOOD'S SPECIAL QUALITY, Figs. 457 or 1474, with ROWE'S PATENT STOPPER.

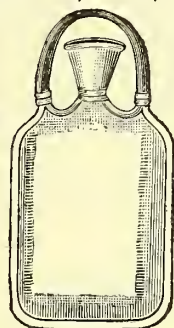
8×6	10×6	10×7	10×8	12×6	12×7	12×8	12×10	14×7	14×8	14×10	14×12
2/6	2/9	3/-	3/4	3/1	3/6	3/8	4/2	3/10	4/1	5/-	5/6 each.

WARNE'S EXTRA SUPER QUALITY, Fig. 457, or BURBRIDGE'S PATENT, Fig. 458.

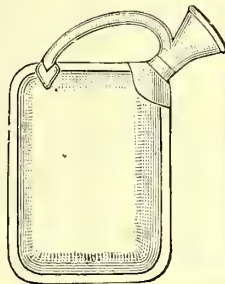
8×6	10×6	10×7	10×8	12×6	12×7	12×8	12×10	14×7	14×8	14×10	14×12	16×10	16×12
3/2	3/11	4/-	4/10	4/-	5/-	5/6	6/1	5/6	6/-	7/-	8/6	7/9	8/9 ea.

William Toogood,
LIMITED,
77 Southwark St.,
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'Phone—HOP 4170
(2 lines).



457



458



1474

*Special Terms in 1 doz.
lots and upwards.*

**TOOGOOD'S
SPECIAL QUALITY,**
extra 5 %
**WARNE'S
EXTRA SUPER,**
extra 2½ %

THE LESCOL PERFUMERY CO.

beg to announce that in addition to their well-known popular lines they now have an extensive range of

NEW LINES.

Before placing orders, BUYERS will be well advised to send a card stating requirements, when a price list with coloured illustrations of those suitable to their market will be sent immediately.

Orders dispatched in rotation ; to ensure early delivery write at earliest opportunity to :—

THE LESCOL PERFUMERY CO.,

LOMOND GROVE,

CAMBERWELL GREEN,

LONDON, S.E.

Telephone : 810 Hop.

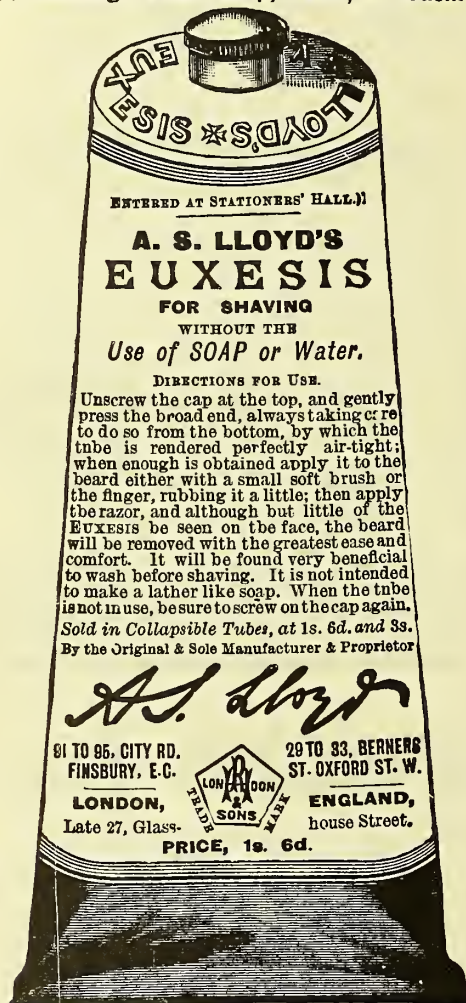
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"VANILLIN-CAMBER, LONDON."

A. S. LLOYD'S EUXESIS

(THE GENUINE.)

For Shaving without Soap, Water, or Brush.



81 TO 85, CITY RD.
FINSBURY, E.C.

LONDON,
Late 27, Glass.



29 TO 33, BERNERS
ST. OXFORD ST. W.

ENGLAND,
house Street.

PRICE, 1s. 6d.

**Sold by all Perfumers and Chemists
throughout the World.**

R. HOVENDEN & SONS having purchased, under an administration suit, the Business of the late A. S. LLOYD, with the Receipt, Trade-mark, and Goodwill of the celebrated Euxesis, the Trade are cautioned that the original and genuine Euxesis is now manufactured at our Factory ONLY, and may be obtained at either of our Warehouses at the following prices:

10/- per dozen, 9/6 by the 3 dozen, 9/- by the 6 dozen.
Retails at 1/6 the Tube; 3/- size to order.

NOTICE.—THE GENUINE A. S. LLOYD'S EUXESIS bears a label printed in BLACK only on a Yellow ground, with our Trade Mark at the bottom, as Illustration.

Proprietors: R. HOVENDEN & SONS, LTD.,
LONDON: 29-33 Berners Street, W.; and 89-95 City Road, E.C.

GOOD! IT'S MASON'S The Drink for the Masses

Millions of glasses used daily
by workers all over the Empire

Please allow us to Sample and Quote—



Citrate Magnesia

Health Salt

Salines

Liver Salt

Blood Salt

Sulph. & Sarsap. Salt

Lemonade

Crystals, &c.

NEWBALL & MASON
NOTTINGHAM

**DON'T PASS THIS
OFFER IN CHEAP**

LOOFAHS!!

One Gross
assorted for **9/-**

(Consisting of 6 dozen each 8"/10" and 10"/12")

Send Cheque or P.O. for 9/- and you will
receive the above, carriage paid to any
address in U.K.

THOS. SWALES,

Druggists' Sundriesman,

24 Butts Court & 89 Albion St., LEEDS.

Telephone: 3702 Cent.

A. S. LLOYD'S EUXESIS.

For Shaving without Soap, Water, or Brush.

CAUTION.

The Labels on GENUINE EUXESIS bear two signatures—
A. S. Lloyd in Black Ink, and that of his Widow,
Aimée Lloyd, in RED. Refuse any other.

Sole Manufacturers and } **AIMÉE LLOYD & CO.**
Proprietors: }
23 PANTON STREET (formerly named Spur Street),
HAYMARKET, LONDON, S.W.

N.B.—When ordering from Wholesale Houses write LLOYD'S EUXESIS (WIDOW'S).

GREASE PAINTS

(CLAIRE'S)

We have been successful in manufacturing a line of Grease Paints in every way equal to the line of foreign paints which have so long held the market. Colours and Numbers are exactly the same. They have been thoroughly tested by eminent members of the Theatrical profession with most satisfactory results.

All Colours, 3/6 per doz.

Lining Pencils, 2/9 per doz.

Lining Pencils (short), 2/- per doz.

Now is the time to give English Grease Paints a trial. Send us a sample order for 1 dozen which we will send post free on receipt of postal order, or they can be ordered through any Wholesale House.

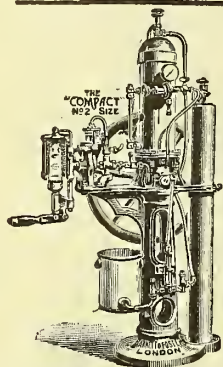
HENRY C. QUELCH & CO., 4 LUDGATE SQUARE, LONDON, E.C.

BARNETT & FOSTER

11
GOLD MEDALS.

*The Best House in the World for all
requirements of the Mineral Water Trade.*

49
HIGHEST AWARDS.



THE "COMPACT" complete Soda-water Machine

For use with Compressed Carbonic Acid Gas is specially designed FOR CHEMISTS, and is provided with one or more filling machines. Occupies little space. Ready for immediate use. Requires no fixing. Produces Soda-water, Lemonade, etc., of the highest quality and greatest purity.

PRICES—

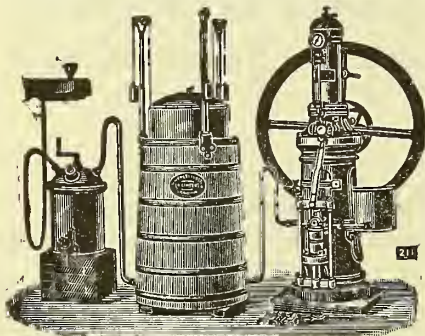
- No. 1.—Capacity 1,200 dozen per day, including Filling Machines for Bottles and Syphons ... £60
No. 2.—Capacity 600 dozen per day, including Filling Machines for Bottles and Syphons ... £48
No. 3.—Capacity 300 dozen per day, including Filling Machines for Bottles or Syphons ... £33

We also make a smaller machine at £20.

THE PERFECTION OF SIMPLICITY.

AUTOMATIC CARBONATION.

To those who can spare space in which to generate their own gas, we offer the "Niagara" machines advertised below.



THE "NIAGARA" Soda-water Machine (Continuous Action).

This machine is superseding all other types for the manufacture of FIRST-CLASS Aerated Waters, and is in use in most of the leading manufactories throughout the world.

PRICES, COMPLETE, from £30,

FITTED FOR HAND AND POWER

Particulars of Larger Sizes on application.

NOTE.—These machines are sent out by us complete and ready for work. We include all necessary connecting pipes *without extra charge*. No "extras" to pay for after buying our machines.

STUDY QUALITY—AS CHEMISTS MUST—

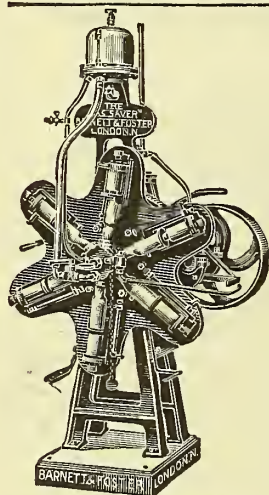
By Bottling on our Latest Types of Filling Machines. We Guarantee the

Highest Quality Soda-water at 60-lb. Pressure!

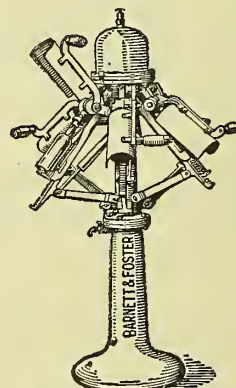
thereby Saving Gas, avoiding Bottle-breakage and improving quality of Products.—The secret:

BACK PRESSURE—PROPERLY APPLIED.

Particulars of the "GAS-SAVER," for filling Codd's and Niagara Bottles; The "ROUNABOUT," for filling Corked, Crowned and Screw Bottles sent on application.



THE "GAS-SAVER,"
Price £60



THE "ROUNABOUT,"
in 6 sizes, prices from £25

SAVE MONEY.

CATALOGUE of all our Manufactures, including Syphon-filling Machines, Syphons, all classes of Bottles, Modern Bottle-washing Appliances, Ice and Refrigerating Plant, Essences, Flavourings and Drugs, and every requirement of the trade sent FREE on application to—

NIAGARA WORKS, 26th EAGLE WHARF ROAD, LONDON, N.,
AND AT BOLTON, LANCs.

TO AERATED WATER MANUFACTURERS.

DELICIOUS

AERATED BEVERAGES

ARE MADE FROM

HAY'S ESSENCES

Cream Soda Essence,

Cream Raspberry Essence (MADE FROM THE FRUIT),

Cream Strawberry Essence

(MADE FROM THE FRUIT),

Orange Squash Essence,

Peach Ripe Essence,

Claret and Lemon Essence,

Cherry Cider Essence,

Lemon Squash Essence

(BRIGHT OR CLOUDY),

Lime Juice and Soda Essence,

Kola Champagne Essence,

Orange Champagne Essence,

AND

"Pale Dry" Ginger Ale Essence.

SAMPLES AND FULL DIRECTIONS FOR USE FREE ON APPLICATION.

ATTRACTIVE LABELS AND SHOWCARDS SUPPLIED.

Orders for Two Gallons and upwards of Essence may be shipped under Bond.

Indentors when ordering should specify HAY'S Manufacture.

WILLIAM HAY, Ltd., Essence Distillers, **HULL & LONDON.**

Head Office and Laboratories—HULL, ENG.

London Depot—3 YORK STREET, WALWORTH, S.E.

Telegraphic Address: "Bushworth London."

Code: A B C, 5th Edition.

**Prompt Sales
Increasing Demand
Quick Turnover
Protected Price**

You stock "Wincarnis"—our advertising sells it for you. There is an enormous and ever-increasing demand for "Wincarnis" because it is a good article backed up by a powerful advertising campaign. Don't risk losing sales through being out of stock. Glance at your stock now.

COLEMAN & CO., LIMITED,
Wincarnis Works, Norwich.

WINGARNIS

SAPONINE

(SOLUBLE),

MANUFACTURED BY

C. W. FIELD, LTD.,

Cambrian Mills, LIVERPOOL.

Special Terms to Wholesalers and large Consumers.

**Do You Sell
Sister Luras Food?**



The question is often asked nowadays. The Chemist who does not stock Sister Luras Food is missing a good line.

Sister Luras Food is achieving great success as a preparation for weakly babes and for invalids and the aged.

It makes milk digestible and is invaluable in cases of malnutrition.

It is a thoroughly reliable line and one that brings a handsome return.

Samples and advertising matter free on application.

SISTER LURAS INFANT FOOD CO., Ltd., 156 Vincent Street, GLASGOW.

DUTCH
**Sugar
of Milk.**
"THE BEST"
**HOLLANDSCHE
MELKSUIKERFABRIEK
Amsterdam.**



A reproduction from one of our well-known advertisements.

Send your trial order TO-DAY.

THREE GOOD REASONS for stocking

Dr. KING'S Pepsin Chewing Gum

- 1st. Manufactured in Canada by Canadians (we mention this fact as the majority of Gums now on the market are made outside the British Empire).
- 2nd. Our Gum does not crystallise.
- 3rd. We help to create a demand by constant advertising.

Price 2/6 per carton of 20 packets. Retail at 2½d. per packet.

We can send you a splendid showcard,
and high-class pamphlet for distribut on.

Send us your trial order to-day.

Dr. KING'S PEPSIN SPEARMINT,

BILLITER HOUSE, BILLITER STREET, E.C.

It will minimise our work considerably if you would kindly enclose cash with order.



A reproduction from one of our well-known advertisements.



A reproduction from one of our well-known advertisements.

WE TENDER THANKS TO **PHARMACEUTICAL PATRIOTS** — FOR THEIR ORDERS FOR — **CHELTENHAM NATURAL APERIENT WATER.**

The increased demand is taxing bottling resources to the utmost, but additional plant is being installed and every effort being made to execute orders fully.

We still offer the 1/- bottles at 9/- per doz. carr. paid, but orders must be executed in strict rotation.

The CHELTENHAM NATURAL WATER Co.
(Branch of United Chemists Association, Ltd.), CHELTENHAM.

THE SCHOOL FOR SUCCESS !!
THE

South of England College of Pharmacy.

(Concilio et labore.)

186 CLAPHAM ROAD, LONDON, S.W.

Principal—H. LUCAS, Ph.C. F.C.S.

Assistant Masters—H. E. ARCHER, Ph.C.; H. STEGGLES, M.P.S.

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New MINOR Day Classes commence on September 28.

Fee till January £9 9s.

New Courses of Instruction for MINOR and MAJOR.

EVENING CLASSES commence October 1.

Fees from 1 guinea per Term.

How to pass the MAJOR economically!

By taking the Evening Classes at this College and by obtaining a part-time situation and doing extra work (Practical) in the mornings.

Since April 1911, 22 passes out of 23 presented have resulted by this means from this College (96 %).

For all further particulars apply—The Principal.

ELT'S COLLEGE

North Finchley, London, N.

173

PRELIM. SUCCESSES

in two years.

42

June, 1914, with Honours and Distinctions.

The Prelim. Department of the College is under the Special Direction of a Manager whose Whole Time is devoted to the supervision of Students' Work.

Send for "The Little Red Book," "New Points for Prelim."

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COLLEGE OF CHEMISTRY,
PHARMACY AND BOTANY,

45 NEWHALL STREET, BIRMINGHAM.

Principal—G. L. SCOTT, Pharmaceutical Chemist.

*A short Special Course for the
October Examination began on
August 17.*

**Next Term begins on October 6,
when the Evening Classes resume.**

Full Particulars will be sent on Application.

Have you seen the new "Guaranteed Income Policy" issued only by the "London and Midland"? It is the only policy in existence giving continuous Sickness and Accident Insurance which is issued without medical examination, and under which the Company has no power of termination. Liberal Surrender Values. Est. 1859.

Write to-day for Prospectus "Q 3" to the London and Midland Insurance Co., Ltd., 39, 40, 41, New Broad St., London, E.C.

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MINOR—

OCT. 7 to the January Examination, 8 Guineas.

JAN. 5 to the April Examination, £9 19s. 6d.

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EVENING CLASSES (MINOR and MAJOR), October 5. Fee from 1 Guinea per term.

APOTHECARIES' HALL.—Nov. 2. Fee 5½ Guineas per term.

PHARMACEUTICAL EXAMINATIONS.

APRIL 1914.—30 London College Students passed (Major 3), constituting over one-third of the total Minor pass for England and Wales.

JULY 1914.—36 London College Students passed (Major 5), constituting over one-fourth of the total Major and Minor passes respectively for England and Wales.

The number of Students who have passed the Pharmaceutical Examinations from the London College, since its establishment, exceeds that from any other school.

For Prospectus, &c., apply to The Secretary, LONDON COLLEGE OF CHEMISTRY AND PHARMACY, 861 Clapham Road London S.W.

Oct. 5

Note
this
date!

It may mean the day on which you commence a successful career, for our NORTHERN COLLEGE OF PHARMACY CLASSES OF PHARMACY BEGIN OCT. 5. Fees moderate. That "we train for success" has been proved. Pass list recent Major Exams.—100%!

WRITE TO-DAY FOR PROSPECTUS.

NORTHERN COLLEGE OF PHARMACY

(Prins.: E. Gower Bryant, F.C.S., Ph.C., Harry Berry, F.C.S., Ph.C.)

100-102 BURLINGTON ST., MANCHESTER. Tel.: City 7698.

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FERN LODGE, 20a GROVE ROAD, BRIXTON ROAD, S.W.

(Late of 345 Clapham Road.)

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Preparation for all Optical Examinations by Postal Courses or Private Coaching. Thorough, practical instruction in Subjective and Objective methods of Sight Testing in classes or privately by arrangement.

CLINIC, EXPERIMENTAL & LABORATORY WORK.

Owing to the continued success of Students at the B.O.A. and S.M.C. Examinations, resulting in largely increased numbers, the Institute has been removed to the above address. Here, in more commodious premises, off the main road, yet within easy reach of Clapham Road and Brixton Road, Day and Evening Classes will be held under the supervision of the Principal, assisted by Mr. H. Firth, F.B.O.A., F.S.M.C., and Mr. Geo. Colebrook, F.B.O.A., F.S.M.C.

The attention of qualified Opticians is drawn to the Evening Classes, with a Clinic held at the Institute, in view of the F.B.O.A. Examination. Of the 38 successful candidates at this Examination in recent years, 55 received their training at the Institute.

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Transactions. Use a

GLEDHILL TILL

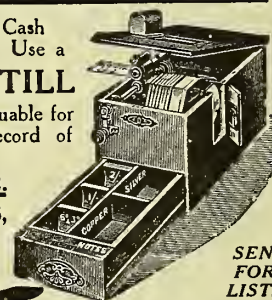
and know them. Invaluable for
obtaining a dissected record of
your sales.

60,000 IN USE.

G. H. GLEDHILL & SONS,

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Trinity Street, Halifax,
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Why not suggest this by offering

RAJAR PAPERS & POSTCARDS

For the Amateur



or the Professional.



Your customers have had experience with papers that disappoint, that nullify their best efforts to produce good pictures. Why not induce them to try something better?

Rajar Gaslight and Bromide Papers are distinguished by their ease of working, freedom from fog and stains, and the brilliancy of the image and pureness of the whites.

They never show abrasion or friction marks, and are, without doubt, the finest papers and cards extant.

Both are supplied in a variety of surfaces.

Drop a card for trade quotations, or ask for particulars of our special "OWN NAME" Goods.

RAJAR Limited,
Manufacturers of
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WELL ADVERTISED AND IN UNIVERSAL DEMAND.
WHOLESALE AND RETAIL PRICES UNALTERED.

SPECIAL SHOWCARDS
SENT WITH EACH ORDER.

JOHNSON & SONS,
Manufacturing Chemists, LTD.
CROSS ST., FINSBURY, LONDON.

FINE CHEMICALS for Scientific purposes and for College and Technical Institute Laboratories.

PHARMACEUTICAL CHEMICALS of Standard Quality for Manufacturing and Dispensing.

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Price Lists sent free on Application.

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Telephone No.: 10586 CENTRAL. LONDON, E.C. Telegraphic Address: 'SICCATIVE LONDON.'

*SPLENDID SELLER JUST NOW,
wanted all over the Country.*

**"SERVICE"
FOOT POWDER**

A preparation composed of Boracic Acid and other Antiseptic ingredients, packed in smartly decorated tins, fitted with dredger tops.

X27 $1\frac{5}{8} \times 2\frac{1}{4}$ 1/8 per dozen.

X27L $2\frac{1}{2} \times 3\frac{3}{8}$ 3/- " "

Attractive Showcards supplied.

The Tins can be had empty at 7/- and 12/- per gross respectively.

Plain dredger Tins also supplied for buyers wishing to use their own labels.

1d. line in card dredger, 8/6 per gross.

1d. " " ordinary wrapped package, 6/6 per gross.

SHIRLEY BROS., Ltd.
Whitecross Works, S.E.



Stoco
OPTICAL GOODS

A Never-ending War

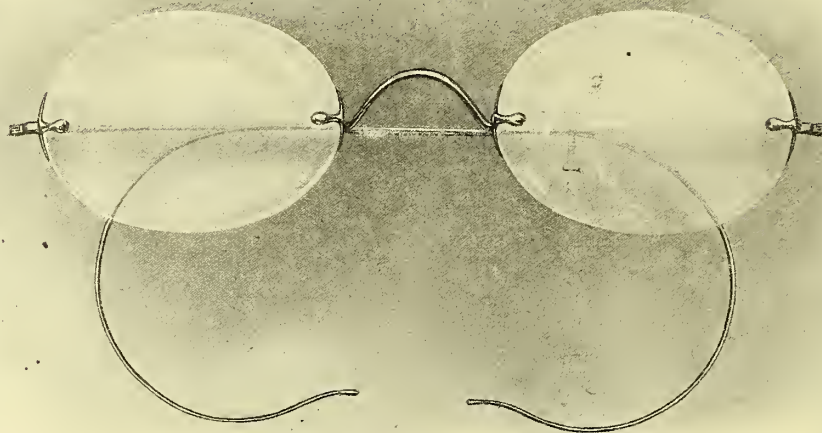
quite apart from that now raging, is the war against competition—in which every optician is in the fighting line.

The most powerful of all weapons in this war is a sense of firm assurance on the part of your customers of unfailing accuracy in the fulfilment of the prescriptions they bring you.

Possess yourself of this weapon by sending all your R_x to

THE **STANDARD OPTICAL CO.**
59, 61 & 62 HATTON GARDEN, W. REED, WILLIAMS 1908 LTD.
LONDON. E.C.

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F.S.M.C.

The letters F.S.M.C. appended to the name of an Optician denote that he is a Freeman by Examination of the

**SPECTACLEMAKERS
COMPANY.**

The next Examination will be held at the St. Bride's Institute, Ludgate Circus, E.C., on November 9, 10, 11 and 12 next.

Full Syllabus, Regulations and Entry Form may be had on application to the Clerk of the Company.
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A. MILLAR & CO., LTD., DUBLIN PURE ORANGE WINE

VINUM AURANTII, B.P.)

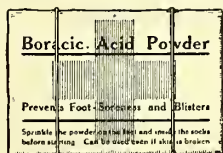
Prepared in strict accordance with the Formula of the British Pharmacopœia.
London Agent: **JAMES STIRTON, 43 GREAT TOWER STREET, E.C.**

(Wholesale only)

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INDEX and BUYERS' GUIDE

See pages 5 to 7.

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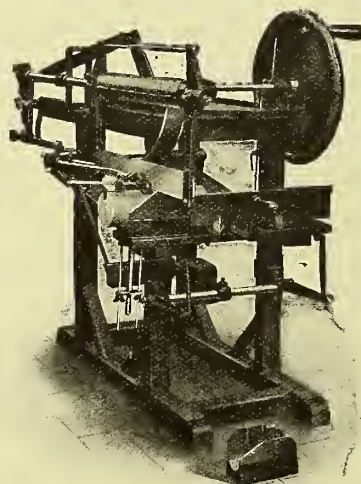
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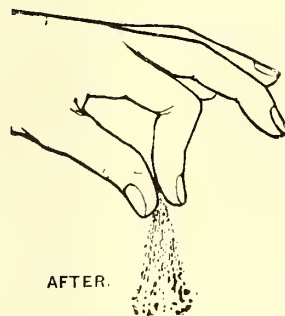
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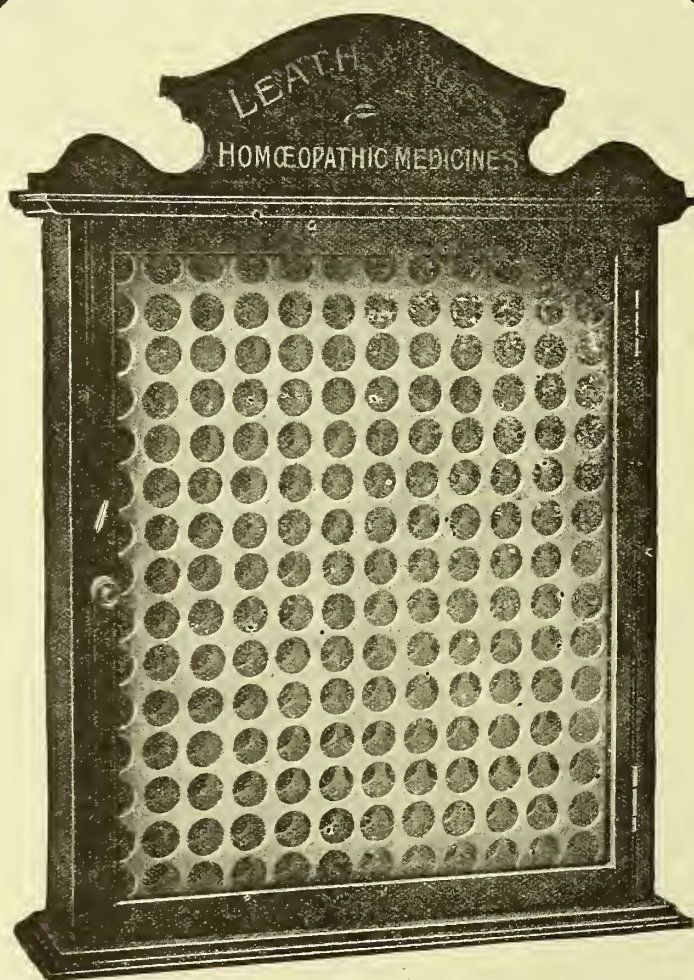
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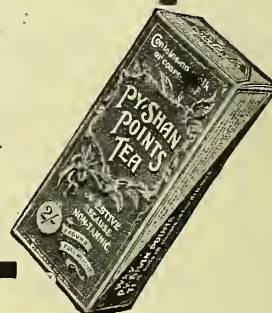
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SUMMARY.

Our war-exigencies article this week is on how cotton-wool is made (p. 74).

The new British Pharmacopœia will be ready for inspection on October 1 (p. 71).

The destructive distillation of wood is a business opportunity for this country (p. 72).

We epitomise in the Contents above the leading items in the war section, which begins on the next column and continues up to p. 65.

The Insurance Commissioners are revising the medical-service terms. London panel chemists are threatened with discounting (p. 79 and p. 73).

Further particulars of the German academic revolt against Great Britain are given on p. 73, including the disposal of his Hanbury medal by Schmidt, of Marburg (p. 73).

Exceedingly interesting evidence has been given in the hearings of applications for use of the trade-marks of alien enemies. Our special reports of these begin on p. 66. See the Contents above.

Values of so-called fine chemicals again show a declining tendency, except where extreme scarcity exists. Bromides have officially been reduced; acetanilide, acetyl-salicylic acid, salicylates, citric acid, tartaric acid, and cocaine are all cheaper. Bichromates and sal ammoniac have been advanced. Business generally is quiet. The drug-sales will be resumed next week (p. 83).

European War.

The King's Speech on the prorogation of Parliament on September 18 summed up the situation and expressed the feelings of the British peoples admirably. It was as follows:

My Lords and Gentlemen:

I address you in circumstances that call for action, rather than for speech.

After every endeavour had been made by my Government to preserve the peace of the world, I was compelled in the assertion of treaty obligation, deliberately set at naught, and for the protection of the public law of Europe and the vital interests of My Empire, to go to war.

My Navy and Army have with unceasing vigilance, courage, and skill sustained in association with gallant and faithful allies a just and righteous cause. From every part of My Empire there has been a spontaneous and enthusiastic rally to our common flag. Gentlemen of the House of Commons:

I thank you for the liberality with which you have met a great emergency.

My Lords and Gentlemen:

We are fighting for a worthy purpose, and we shall not lay down our arms until that purpose has been achieved.

I rely with confidence upon the loyal and united efforts of all My subjects, and I pray that Almighty God may give us His blessing.

The Moratorium.

It is officially announced that, after consultation with the various interests concerned, the Government has decided that the time has arrived for bringing the moratorium to an end with as little delay as possible. There will be no further extension of the moratorium relating to bills of exchange other than cheques or bills on demand. There will be no further extension of the general moratorium in so far as it applies to (a) debts due to and by retail traders in respect of their business as such; and (b) rent. As regards other debts to which the general moratorium applies, there will be an extension of one month—i.e., from October 4 to November 4. This extension will be subject to the condition that the interest due under past proclamations is paid. On November 4 the general moratorium will come to an end as regards all debts. In reference to the decision not to extend the moratorium relating to bills of exchange, it is to be borne in mind, as announced in the Press on the 5th inst., that arrangements have already been made by the Government under which the Bank of England will advance to acceptors where required the funds necessary to pay all approved pre-moratorium bills at maturity.

Dispensing for Soldiers' Dependants.

The response to the appeal of the President of the Pharmaceutical Society of Great Britain to pharmacists with regard to the dispensing of medicines for dependants of men serving with the Colours has been immediate and in every way adequate. The Secretary of the Society informs us that within forty-eight hours of the issue of the appeal the names of several thousand chemists who had volunteered their services were received at Bloomsbury Square, and each day has brought large additions to the list. Any doubt that may have existed as to the success of the scheme is therefore removed. The collation and classification into lists for each of the districts is proceeding rapidly. Some of the letters accompanying the offer to serve make excellent and heartening reading, and many have been received from writers who indicate that their only regret is that their circumstances, partly due to the influence of the war, make it impossible for them to give, not only their services, but the drugs as well. As is so often seen in cases of this kind, those who are perhaps least able financially to bear the additional expense appear to be the most ready to give most generously. The number of refusals to serve is infinitesimal, and in many instances, where to the regret of the writers the businesses with which they are associated are either not dispensing businesses or not adapted for the work,

offers have been made of services of a personal character—for example, to do any clerical work, or to contribute towards the expenses of the Society in carrying out the administrative details (the cost of which will necessarily be considerable); and these have been gratefully accepted. This is one way in which those who cannot give personal services can assist. Donations can be sent to the President, and will be acknowledged in the journals connected with pharmacy.

Prohibited Exports.

The following items appear in the list of goods export of which is prohibited from the United Kingdom: Absolute alcohol [the term alcohol does not include perfumes and flavouring-essences containing alcohol], dimethylaniline, nitrate of sodium, olive oil, surgical bandages and dressings. The above should be added to the lists previously published in the *C. & D.*

German Sugar through Holland.

As evidence has reached the Board of Trade that, notwithstanding the prohibition of the export of sugar from Holland by the Netherlands Government, German merchants are disposing of their produce and obtaining payment through Holland, the British Government has had to forbid the import of this produce through Holland.

The possibility of a severe shortage of sugar is being kept in mind, and the Government has appointed a committee of experts to advise in the matter. "The Grocer" learns from Amsterdam that the beetroot-crop in Germany and Austria-Hungary will be good, owing to the favourable weather. The sugar-industry in Germany has asked the German Government to cancel the prohibition of the exportation of sugar, as, unless this is done, great financial loss must be caused to the country, because much more sugar is produced than is needed for home consumption. The "Kreuz Zeitung" suggests several ways of exporting the sugar to avoid the British Grand Fleet in the North Sea.

Cheaper Cables.

With the view of reducing the cost of cables during the present censorship the Postmaster-General has arranged with the Eastern and Associated Telegraph Companies that as a temporary measure the text of full-rate extra-European plain language messages, including signatures, written in English and exchanged in Great Britain, the Overseas Dominions, and Colonies served by their system, and Egypt will be counted and charged as if written in groups of ten letters to a word. Figures and commercial expressions, such as "c.i.f." and "f.o.b.," will continue to be counted separately as at present. Any surplus group of letters immediately before a group of figures or commercial expression or at end of the text will be counted as one word. Telegrams will continue to be written and signalled as at present, but senders will assist the telegraph service and avoid delay by marking every tenth letter in their outward telegrams before handing them in for transmission.

Chemical Products Committee.

We understand that the Board of Trade Committee on chemical products is making good progress with its inquiry in regard to the importation of chemicals and the possibilities of manufacture in this country. The Committee has been strengthened by the addition of Lord Moulton, whose scientific knowledge and extensive experience of patents and trade-marks law are of special service. Lord Moulton has relieved Lord Haldane of the chairmanship, but independently of that he is devoting practically all his time to the matter, and has been getting into personal touch with many men who have special experience in branches of the subject of inquiry. Dr. A. P. Laurie, Principal of the Heriot Watt College and Professor of Chemistry to the Royal Academy of Arts, has been asked to join the Committee, in order to deal with the problems which have arisen in the colour and dye trade. Mr. Thomas Tyrer, as a member, has been collecting much useful evidence from first-hand sources for the guidance of the Committee, which meets weekly. There is every prospect that the Committee will be able to submit to the

President of the Board of Trade reports which should be of much value to British industries and trade.

The Question of Contracts.

The Board of Trade has been asked whether anything could be done to relieve contractors from liability to supply at contract rates articles the price of which has advanced very much owing to the war. The reply was as follows:

"The Board of Trade regret that they are not in a position to take direct action with regard to difficulties of this nature, but they trust that the efforts which the Government are making with a view to the improvement of the financial and commercial situation will tend to the re-establishment of normal conditions of trading very shortly. In the meantime I am to suggest that every effort should be made by parties to contracts to secure their readjustment upon an equitable basis."

Taking Possession of Articles of Commerce.

In accordance with the second section of the Articles of Commerce (Returns, etc.) Act, 1914 (*C. & D.*, September 5, p. 51), the following Proclamation, dated September 17, has been gazetted:

WHEREAS WE, by and with the advice of Our Privy Council, deem it necessary and expedient that the Board of Trade should be authorised in manner following:

Now WE, by and with the advice aforesaid, do hereby authorise the Board of Trade, if from any such return as [is mentioned in Section 2], or from any other source of information, they are of opinion that any article of commerce is being unreasonably withheld from the market, to take possession of any supplies of such article, paying the owner of such supplies such price as in default of agreement may be decided to be reasonable, having regard to all the circumstances of the case, by the arbitration of a Judge of the High Court selected by the Lord Chief Justice of England in England; by a Judge of the Court of Session selected by the Lord President of the Court of Session in Scotland; and by a Judge of the High Court of Ireland selected by the Lord Chief Justice of Ireland in Ireland; and for the purpose of so taking possession of any such article as aforesaid WE do further authorise that any Officer of the Board or any Officer of any other Government Department or any other person authorised in that behalf by the Board may enter any premises on which he has reason to believe that there is kept or stored any such article and take possession thereof.

Hints from Abroad.

An agent in Ghent, Belgium (95/1), writes to us stating that "there is a broad field of action in Belgium for almost any British industry in order to replace German goods," and he offers information, free of charge, as to names of firms, duties, etc.

An eminent Danish chemist, interviewed by "The Standard" in regard to capturing German trade in chemicals, said:

"British traders are weak in the essentials of capture. Two things are of paramount importance:

- (1) England must send out more and more competent commercial travellers at once.
- (2) The business side and the 'brains' side must be brought into closer contact in England.

I speak of what I know and what is common knowledge in Germany. In every great chemical industry in England the chemist is, as a rule, relegated to the laboratory with his bottles and test-tubes. He is an academic adjunct. In Germany you will rarely find a board of directors in which the chemist and the technical expert are not paramount, interwoven as it were into the vitals of the business. It is largely so in British engineering trades, but in the chemical industries it is not so. British chemists are the finest in the world. They have not been treated properly by the 'business' sides of their industries. They can make anything now made in Germany. Moreover, they can follow up with developments as is done by German chemists; but they must be in close touch with the 'business' side."

How the War Struck Australia.

Since August 4 Australia and New Zealand have amply demonstrated that the Germans were wrong in calculating that the extreme parts of our far-flung battle-line could not be depended upon by the Mother Country. Our dependencies are sending their sons to fight in Europe, and have taken several German possessions under the Southern Cross. But there was much uncertainty at first. The Editor of "The Chemist and Druggist of Australasia," writing to us from Melbourne on August 3, said:

"As I write, the news that Germany has invaded France has just reached me, and we are trying to adjust our ideas of what may happen. Although we have speculated casually on the results of a big European war, we feel now it has come so near that we have only the vaguest ideas of the immediate consequences."

August 3 is equivalent to our August 4—midnight—when war against Germany was declared by the British Government. Writing on August 12, our colleague in Melbourne said:

"The news of the outbreak of war completely unsettled trade on Monday, August 3. People would talk about nothing else—business men and all. Some timid folk rushed to the savings-banks, but this scare was over in a day or two. In Adelaide the wholesale drug-houses put up prices 10 to 15 per cent. In all the States citric and tartaric acids and cream of tartar jumped in price, and in Melbourne by August 7 the prices had doubled. Housewives rushed orders to the grocers, and some laid in 150 bags of flour, though that and gold and wool are almost the last commodities of which Australia will run short. All over Australia people and the Governments began to talk about those who might unduly raise the prices of the necessities of life. The Western Australian Parliament in two sittings passed through all stages a Bill providing—

1. That the Governor shall appoint a Royal Commission, on whose recommendation he may, by an Order in Council, fix maximum prices for any necessities of life.

2. No person having food supplies in excess of personal requirements for three months shall refuse to sell at the price fixed under a penalty of 1,000.

3. No person shall buy up or store the necessities of life with intent to raise prices, or export them beyond the Commonwealth without the written permission of the Colonial Treasurer.

A conference of Premiers of the States was called to consult about measures to be taken. On August 7 the King's Proclamations of August 5 were issued in Australia. [See *C. & D.*, August 15, p. 34. After referring to the hold that German chemicals have got in Australia, our colleague makes an appeal to British houses.]

We hope they will wake up. We want British goods, but we also want the valuable information our late good friends, and now enemies, the Germans, have provided for us. Why should not the great firms now bestir themselves and beat the Germans on the ground of publicity? Further, we ask British manufacturers to *Study Australian Trade*. Australian orders may be small compared with others; but they have so much further to come. The risk of miscarriage and the difficulty of repeating is so much greater that we ask that all British manufacturers should give special consideration and despatch with the utmost promptitude all such orders. Even if this means delaying a British or American order a day or even a week, it means only a day or a week, and they can complain promptly. If an Australian order is delayed, it may mean a month or six weeks, and we cannot reach you with the stimulating pin.

Though some concern exists as to the possibility of maintaining the steamer traffic, reflection shows that in British or neutral bottoms commerce will go on. . . . Leaders here, and public opinion generally, have declared for the importance of carrying on everything so far as possible without change."

Since then "Business as usual" has been the watchword of the British Empire, and long though the fight on the Continent may be, transoceanic commerce has suffered little, and our compatriots beyond the seas will as the months go by realise more fully than before how advantageous it is to be linked up with the Old Country. Of course, the sudden transference of some established Australian accounts from Germany to England, at a time of unexpected difficulty and unprecedented stress, accompanied by financial delay by Australian banks, is not exactly the sort of thing merchants and manufacturers have been waiting for here with open arms.

British East Africa.

We have all read in our daily newspapers of the attempts that the Germans have made to capture British East Africa, a colony of ours immediately north of theirs. The result has not been favourable to the attackers. We received this week the subjoined letter from Mr. R. McGeorge, of Howse & McGeorge, pharmacists, Nairobi, British East Africa, and Kampala, Uganda. It was written at Nairobi on August 8, and posted by a train which left on that day to catch a south-going boat:

"Nairobi is practically cut off from the world during these times, and we are getting nothing but the most meagre

cable messages through, published on sheets of paper at 10c. a time. The train-service is stopped between here and the coast, as likewise between Nairobi and the Victoria Nyanza, the great lake between B.E.A. and Uganda. Uganda is in consequence also isolated, there being no service of steamers across for the present. B.E.A., adjoining as it does German East Africa, has necessarily adopted defensive tactics, and Nairobi has been in a turmoil for days rigging out Volunteers, mounted and foot, there being no European soldiery in these parts. The settlers have not been slow to enrol, and two very efficient battalions are now ready to go anywhere, while other regiments are being raised. The chemists in Nairobi have all enrolled for medical service if required, and Dr. Barkitt has been instructing them in how to be useful on emergency. All chemists have been notified by the P.M.O. to send in a list of medical stores held by them. The town is under martial law, and this has put a stop to the absurd rise in food and other stuffs which was in evidence at the beginning of the week, when nothing could be bought for less than a 50-per-cent. increase. It is notable that no chemist has so far sought to increase his prices, although under martial law orders all shopkeepers are allowed to retail at 15 per cent. in advance of prices ruling on July 25."

Business and Prospects in Russia.

We extract the following from a letter written in Petrograd (St. Petersburg) on August 16/29 and received here on Thursday, September 10:

"It looks as if the post between your country and mine is working again pretty regularly. The last letters received by me from London have taken only eight days to come *via* Bergen and Finland. As to *THE CHEMIST AND DRUGGIST*, the same reaches me quite regularly now *via* the same route, but I may tell you that for about three weeks I was without any copies at all, and this absence of such a valuable paper was very much felt by me. I shall thank you if you will kindly instruct your office to send to me the paper in the same manner as before, for, as I said before, I receive it through the post without any trouble, except that at times on the eighth instead of on the third day. I must express to you and your office my very sincere thanks for all the trouble you have taken in communicating with the various manufacturers of chemicals. From the *C. & D.* I have already learned of the position of the London chemical-market, and it is evident that at present England will not be able to supply us with chemicals. It is clear, however, that a new era for British chemicals will take place after we crush our enemy—and we shall crush him. I advise you to tell British manufacturers to make all arrangements for increasing their output, for it is to Great Britain that Russia will look for the supply of pure chemicals. I am already looking out for some good agencies, and I hope British manufacturers of chemicals will come to some arrangement with me after the war will be over. The whole country has united: we have no more parties. It looks as if the whole nation has blended into one element, and the rapid amalgamation has given wonderful results. The country is so great and the interests so large that we do not feel any burden at all. I assure you that our daily life now is just as before. This is the great secret of Russian life, and this the foreigner cannot understand. By 'foreigner' I mean the German, who has made such a terrible mistake."

There is no question of the fact that much business in chemicals and drugs could be done with Russia at present, and the future prospects are also excellent.

The Allies' Medical Arrangements.

The medical correspondent of "The Times," writing from the lines of communication near Orleans, states that the ratio of wounded to sick in war was twenty to eighty, but consequent on Japanese scientific thoroughness in their war with Russia the ratio has been reversed. He describes in the following paragraphs how the wounded are being treated:

"Visit a railway station when a train of wounded comes down from the front. Note the quality of the dressings—how clean they are; what trouble has been taken to prevent infection—the deadly enemy of military hospitals. Note, also, that the waggon in which they travel—for the wise principle of swinging the stretchers in roomy waggons has been adopted—bears a label 'Infected.' That waggon after its last trip from the front was carefully cleaned out, the straw removed, and clean stuff laid down, and then waggon and straw were sprinkled with a powerful germ-killer. Then it was labelled 'Disinfected.' So soon as a wounded man entered it the label was changed.

That is one precaution. Now observe how while the train lingers a medical man passes along with his assistants

ready to change any dressing which may have become soiled or soaked through. Soiled dressings are fruitful breeding-grounds for bacteria. He finishes his work. The train moves off. Then a man in a white blouse appears from the waiting-room carrying a can and syringe. He passes along the platform sprinkling it with disinfectant; he returns along the railway line, which he also sprinkles.

Large detachments of wounded—our British wounded—do not go to the hospital at all. Instead they are hurried straight to the docks, where there lies awaiting them a trim ship, beautifully fitted up, and bearing a huge red cross on each of her grey-coloured sides. It is a great and splendid idea, this transport of the sick and wounded by fast cross-Channel steamers to England—an idea which will tell in the great struggle. Better by far to take a lightly wounded man right away from the scenes of horror and—in a soldier's phrase—"do him proud" than keep him there till his wound becomes infected and his constitution undermined. But what of the real theatre of danger—the front? Here, as elsewhere, nothing has been left to chance. The field hospitals are admirably equipped and admirably staffed. The doctors and ambulance men are simply above praise. Their courage is magnificent. They do their gallant service under the fiercest fire without flinching; they have, many of them, died at their posts."

Pharmacy in Austria.

The Presidents of the three most important Pharmaceutical Societies in Vienna—Kaiserl. Rat. Dr. R. Firbas, Komm. Rat. Seipel, and Dr. Stöhr—have drawn the attention of the Government to the unsatisfactory condition in which many pharmacies are left in consequence of the mobilisation. It is stated that from Vienna alone six owners of pharmacies, six provisors, four masters of pharmacy, and twenty-three unqualified assistants have left for active service, and one pharmacy has already been closed for lack of qualified help. In view of this state of affairs, the Government has decided that masters of pharmacy who have not yet completed their five years' employment as assistant pharmacists may take charge of a pharmacy, and that where the only pharmacist in a district has joined the Colours the local physician may be authorised to carry on the pharmacy as a house dispensary, so that the public may not suffer from lack of medicines. In such cases the residence of the physician must be distinctly indicated on the signboard of the pharmacy. The Presidents of the Pharmaceutical Societies are of opinion that the law which prohibits pharmacists who have been retired from business for more than three years from carrying on a pharmacy should meanwhile be suspended, as many retired pharmacists could give valuable help in the present circumstances.

News of German Pharmacy.

PROHIBITION OF EXPORTS.—The decree of September 3, prohibiting the exportation of sodium sulphide, has been revoked.

EAST PRUSSIA.—The condition of affairs in this part of the German Empire may be gathered from the fact that the "Apotheker Zeitung" of September 9 contained a notice asking German pharmacists who had been compelled to leave East Prussia by the Russian advance to meet in Berlin to discuss the situation and the measures to be taken.

IS SCIENCE GERMAN OR INTERNATIONAL?—The "Pharmaceutische Zeitung" and the "Pharmaceut. Zentralhalle" decline to take notice of any scientific articles which appear in their English, French, or Russian contemporaries; but the "Apotheker Zeitung" and other German papers recognise the international character of science, and continue to print new information from all sources.

SUNDAY'S AND NIGHT'S REST IN GERMAN PHARMACIES.—One of the consequences of the war for German pharmacists has been that alternative Sunday's and night's rest has proved to be not at all impossible, as had always been said. What was reported on this matter in the *C. & D.*, September 5, p. 43, as regards Berlin, is also true of Hamburg, Dortmund, Dresden, Kiel, Bremen, Augsburg, and many other places.

FOREIGN STUDENTS IN PRUSSIA.—The "Apotheker Zeitung" of September 19 notified the fact that the Minister of Instruction has issued an order to directors of all universities and educational institutions in Prussia that teachers or students belonging to a country with which Germany is at war are to be refused admission. Foreign students who have matriculated are not allowed to attend the lectures, and no further matriculations of such students are permitted.

PHARMACISTS ON ACTIVE SERVICE.—In case of illness or absence of a pharmacist, a colleague established in the same town is always allowed to take his place provisionally. The Ministry for Medical Affairs of Mecklenburg-Schwerin has now made an arrangement which allows that, in case the only pharmacist in a place has gone on military service, a

pharmacist of the neighbourhood is charged to superintend the pharmacy, with an assistant who has passed the first Preliminary examination to work under his supervision.

SCHERING'S CHEMISCHE FABRIK.—It is reported that this business shows unfavourable shrinkage owing to the war. The number of workmen called out is 200 besides thirty members of the office staff, and the number is continually increasing. Deliveries to neutral countries have ceased in consequence of the Government prohibition. Such exportation is in normal times of great importance to the works. The company is, however, very busy on remedies for the army. The first half-year has been favourable, and the results will probably not be worse than in the same period of last year.

PROFESSOR DR. ALFRED BERTHEIM, who was associated with Professor Ehrlich in his experiments that led up to the introduction of salvarsan, is dead. At the beginning of the war he joined his regiment. His death was due to a fall from his horse. He was the discoverer of the constitution of atoxyl, the remedy for sleeping-sickness, and carried out the chemical synthesis of salvarsan. Professor Bertheim has left a voluminous work (already printed) on organic arsenic-compounds. Professor Ehrlich states that in Professor Bertheim he loses one of his best collaborators, and chemical science one of its most intelligent pioneers.

EXPORTATIONS STOPPED.—The directors of the Farbenfabriken vorm. Fried. Bayer & Co. in Leverkusen, in answer to an inquiry, have stated that 30 to 85 per cent. of their production is for export, and that since the war began exportation has completely stopped. A leading firm of dealers in photographic apparatus, writing to the *Berlin Lokalanzeiger*, states that German trade in his business was principally export, and as the result of the war his firm has lost at least two-thirds of its business, as Russia, France, and Great Britain were its principal customers. As the exportation of photographic apparatus has been prohibited by the military authorities, it was impossible to carry out a number of important orders from Austria. The exportation veto is declared to offer direct support to the British photographic trade, which the writer regards as "very strong."

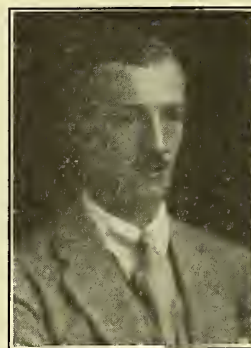
BOYCOTT OF BRITISH PRODUCTS.—The "Deutschland Arbeiterfreund," in inciting Germans to boycott British products, reminds its readers that the Condensed Milk Co. and Nestlé's Kindermehl are British firms, adding that the goods are placed on the German market through Switzerland in order to deceive the German consumers. Scott's emulsion is also mentioned as a British product that finds a ready sale in Germany. With regard to Spratt's Patent A.G., Rummelsberg, it is pointed out that this is a German company and employs no Britons in its offices or factories. The Apollinaris Co. has replied to the accusation in the German Press as to its British origin with the statement that this is not the first time that German apothecaries have tried to boycott Apollinaris and Apenta. To this the papers respond by publishing the directorate, and adding that the receiver who has been appointed by the Bundesrat to control foreign companies will "prevent Apollinaris being sent to England during the war."

Personalia.

The only one connected with pharmacy (directly or indirectly) whom we know to have participated in the

terrible battle at Mons is Second Lieutenant John Ransom, of the 1st Berkshire Regiment, son of Mr. Francis Ransom, Ph.C., F.C.S., Hitchin. Lieutenant Ransom registered as a student of pharmacy some years ago, but did not actually take steps to get pharmaceutical experience, having decided instead to devote himself to agriculture. He is the second of Mr. Ransom's sons, and obtained his commission not long before the war broke out. He was safe and well when last heard of, and the numerous pharmaceutical friends of his father and mother will wish him a safe return after a successful campaign.

Mr. N. C. King, Registrar of the General Medical Council, is serving in the Territorial force as Major.



SECOND LIEUT. J. RANSOM.

He has been granted leave of absence for the duration of his active military service, and Mr. A. J. Cockington has been appointed Acting-Registrar in his place.

Mr. Otto Hohner, F.I.C., F.C.S., the public analyst for the Isle of Wight, has addressed a letter to the Island Rural District Council in which he says:

"The question of my nationality having been raised by some of my clients, it would appear necessary for me to state that I am English in everything but birth. I came from South Germany in my youth, in 1873, have lived here ever since, was naturalised in 1891, and am a freeman of the City of London. All the members of my staff are, and always have been, British."

Lieutenant J. H. B. Wigginton, F.C.S., of the Army Service Corps, who is now with his regiment at St. Albans



LIEUT. J. H. B. WIGGINTON.

training for active service, has for the past ten years been manager of and buyer for the drug-department of Harrod's Stores, Ltd., but has recently accepted an appointment with Joseph Crosfield & Sons, Ltd., Warrington, which is to be kept open for him until his military duties are completed. This new appointment is in connection with the Erasmic preparations, and Lieutenant Wigginton's well-known good taste and originality in matters of this kind will have wider scope than hitherto. His experience in

soldiering is considerable. He was two and a half years in the Boer War, the first part of the time in the R.A.M.C. and latterly with Kitchener's Scouts. He received the medals for that campaign, with six clasps. He is keen on military matters, and raised 160 men for his present corps, seventy for the 9th City of London Regiment, and a company in the 25th (Cyclists) City of London Regiment. Besides his experience in the Army and business, Mr. Wigginton is exceptionally familiar with the Continent, and is just the sort of man they want at the Front at present, both for topographical knowledge and linguistic ability.

Miscellaneous.

The exportation of sulphur and flowers of sulphur from Norway has been prohibited.

The British Red Cross Society announces that since September 21 its London headquarters are at 83 Pall Mall.

A song entitled "The Homes they Leave behind" has been published by Enoch & Sons; 75 per cent. of the profits of its sale are to be devoted to the National Relief Fund.

Exportation of medicaments from Switzerland has been prohibited, but exemption can be had in certain cases. Requests should be addressed to the Swiss Ministry of Commerce.

A telegram has been received by the India Office from the Viceroy of India stating that arrangements are being made to permit the export of saltpetre to the United Kingdom alone.

A Proclamation has been issued specifying additional articles which are to be treated as contraband of war in accordance with the previous Proclamations of August 4 and 12. The list includes glycerin and rubber.

The war hospital organised and equipped by the Church Army to serve under the French Red Cross has reached its station in North France. Sir Rickman J. Godlee, Bart., P.R.C.S., is the hon. medical adviser of this hospital.

The ninth International Congress of Applied Chemistry is one of the war's victims. It was to have been held in St. Petersburg from August 8 to 14. Nothing has been heard of it, not even from the United States, where it was last held.

Among the applications to avoid or suspend patents under the Patents, Designs, and Trade-marks (Temporary Rules) Acts, 1914, are two by Bi-Metals, Ltd., regarding patents 13,557/03 and 17,624/04, which refer to soldering-compositions.

The Canadian War Contingent Association has arranged to maintain for a year a hospital of fifty beds, to be known as the "Queen's Canadian Military Hospital." The organi-

sation and equipment of the hospital have been undertaken by Sir William Oster and Mr. Donald Armour.

Messrs. Parke, Davis & Co. have informed the relatives of Mr. David Hill, chemist and druggist, their Continental representative, that he is safe at Breslau. Mr. Hill had not been heard of since August 4, when he communicated with his relatives in Arbroath from Oderberg on the Austro-German frontier. Messrs. Parke, Davis & Co. were able to learn of his safety through the American Consulates in Germany.

The Cheshbrough Manufacturing Co., 42 Holborn Viaduct, London, E.C., offered 25,000 tins of vaseline for the use of the Belgian army, and this has been accepted by the Belgian Ambassador (Count de Lalange), who in his letter of acceptance says: "I am very thankful for your generous offer, which I accept in the name of my Government. I shall not fail to inform them of your gift, which will prove very valuable to our troops."

A bulletin of the Board of Trade, issued this week, deals with the competition with this country and Germany and Austria-Hungary in the supply of boot-polishes. The exports from the United Kingdom are valued at 558,700*l.*, those of Germany 297,600*l.*, and Austria-Hungary 6,320*l.*. The principal German markets for boot-polish are Italy (56,300*l.*), Russia (47,100*l.*), Belgium (27,900*l.*), Netherlands (24,200*l.*), Roumania (15,600*l.*), Spain (14,300*l.*), and Turkey (13,100*l.*).

Pharmaceutical Roll of Honour.

Non sibi sed patriæ.—CICERO.

SECOND LIST.

ADAMS, G. H. (of Hankinson's Pharmacy, Honor Oak Park, London, S.E.), R.A.M.C.

ATKINS, Private H. W. Osborne (brother of Mr. E. A. Atkins, chemist and druggist, Wandsworth, London, S.W.), R.A.M.C.

BALLINGALL, Stuart (with Thompson & Capper, Ltd., Liverpool), Manchester Regiment (T.).

BARETT, Frank (with Duncan, Flockhart & Co., Edinburgh), 5th Royal Scots.

BACHELOR, Eric (Oppenheimer, Son & Co., Ltd., London), Royal Ordnance Corps.

BELL, Second Lieutenant Hugh G., M.Sc. Tech. (son of Mr. Joseph Bell, chemist and druggist, Manchester), 7th Lancashire Fusiliers.

BONNETT, Sapper R. D. (son of Mr. F. Bonnett, chemist and druggist, Newington Green Road, London, N.), London Electrical Engineers (T.).

BOOTH, Alf. (with Mr. R. Hunter, chemist and druggist, Aberdeen), 2nd Highland Field Ambulance (T.).

BOUSFIELD, Sergeant John S. (son of Mr. Wm. Bousfield, Birmingham), S.E. Mounted Brigade Field Ambulance, R.A.M.C. (T.).

BRACE, J. (with Rowcroft & Co., chemists, Maidstone), R.A.M.C.T.

BRITAIN, R. H., chemist and druggist, managing director of Prichard & Constance (Wholesale), Ltd., London, Public Schools Corps. Mr. Britain is an ex-Naval Volunteer of four years' service, and is now a N.C.O. in his Corps.

BROWN, David J., Londonderry (with R. & F. Roper, chemists, Plymouth), R.A.M.C.

BROWN, Private J. M. (apprentice with Mr. A. Whitlaw, chemist and druggist, Cupar, Fife), R.A.M.C.

BROWN, Walter (with Duncan, Flockhart & Co., Edinburgh), R.A.M.C., Scottish Horse.

CARE, Philip Bristowe, and Graham Bristowe CARE (sons of Mr. H. Bristowe Care, Scottish representative of Southall Bros. & Barclay, Birmingham), 4th Royal Scots.

CHALMERS, Trooper Arnott (son of Mr. William Chalmers, chemist and druggist, of the C. & D. staff), 3rd Scottish Horse.

CHAPPEL, Ernest (with W. Martindale, London), R.A.M.C.

CHAPPELL, Sergeant E. C. (with Grossman & Co., Ltd., South Kensington), 4th London General Hospital, Denmark Hill, S.E., R.A.M.C.T.

CLARK, Second Lieutenant C. Inglis (son of Dr. Inglis Clark, of Dunoon, Flockhart & Co., Edinburgh), Army Service Corps.

CLARK, G. (Oppenheimer, Son & Co., Ltd., London), Royal Navy (Walmer Depot).

CLOD, W. H., chemist and druggist, Jarrow-on-Tyne, R.A.M.C.

COHEN, L. (with Thompson & Capper, Ltd., Liverpool), Liverpool Regiment.

COLLINGS, W. S. (with Thompson & Capper, Ltd., Liverpool), R.A.M.C.

CUMMINGS, Private Gordon (son of Mr. John D. Cummings, chemist and druggist, Alloa), 7th Argyle and Sutherland Highlanders.

DANE, R. O., Sheffield.

DAVIS, T. A. Morgan, Bulth Wells (with R. & F. Roper, Plymouth), R.A.M.C.

DEAN, Driver Robt. (with Messrs. Gilbert & Hall, chemists and druggists, Bournemouth), 6th Hants Battery, Royal Field Artillery.

DENNET, H. (with W. Martindale, London), R.A.M.C.

DENNET, Sergeant H. J. (with W. Martindale, 10 New Cavendish Street, W.), 4th London General Hospital, Denmark Hill, S.E., R.A.M.C.T.

DOWNIE, Corporal G. (with W. & R. Hatrick & Co., Glasgow), 5th Highland Light Infantry.

DYSON, H. A. (son of Mr. A. Dyson, Ph.C.), East Kent Regiment.

EDWARDS, Lieutenant (of Opie & Co., chemists and druggists, Penzance), Duke of Cornwall's Light Infantry.

ELLISSON, Sapper C. D. (son of Mr. C. Ellisson, chemist and druggist, Hednesford), Royal Engineers.

EWING, Captain W. Turner (son of Mr. J. Laidlaw Ewing, of Duncan, Flockhart & Co., Edinburgh), 7th Royal Scots.

FERGUSON, Wm. (with W. Martindale, London), Coldstream Guards.

FORREST, Private Leslie (with Mr. J. H. Mather, Ph.C., Godalming), R.A.M.C.

GILL, — (with Mr. G. Squire, Ph.C., Sheffield), R.A.M.C.

GLENNIE, David (with Duncan, Flockhart & Co., Edinburgh), R.A.M.C., Craigleith Military Hospital, Edinburgh.

GOULD, Staff-Sergeant Frank A., managing director of Gould & Portmans, Ltd. Having been rejected for active service on account of age, Mr. Gould underwent a course of musketry at Hythe, and, having qualified, is now engaged in the new musketry camp at Bisley teaching musketry instructors for the new Army. Mr. Gould had over twenty-two years' experience in the Volunteers and Territorials. He is an expert rifle shot.

GOULDER, H. J. (with Mr. G. T. W. Newsholme, Ph.C., Sheffield), R.A.M.C.

GRANT, Private F. A. (apprentice with Mr. T. H. Forrester, chemist and druggist, Cupar-Fife), R.A.M.C.

HAMILTON, Sergeant W. S. (late with Mr. Cecil W. Robertson, Ph.C., Dublin), North Irish Horse.

HANKINS, Private Herbert (late with Gaze & Co., chemists and druggists, Higham's Park, London, N.E.), 21st Battery, R.F.A.

HANSON, Robt. (late with Mr. J. H. Nidd, chemist and druggist, Manchester), 7th Lancashire Fusiliers.

HARDWICK, Private G. V. (son and pupil of Mr. S. Hardwick, Ph.C., Bournemouth), 9th (Cyclist) Hants Regiment.

HART, Lawrence (with Lewis & Burrows, Ltd., London), R.A.M.C.

HATRICK, Captain W. Lindsay (senior partner of W. & R. Hatrick & Co., Glasgow), 5th Highland Light Infantry.

HAYES, Walter (with W. Martindale, London), R.A.M.C.

HENRY, Private Claude F., jun. (son of Mr. C. F. Henry, chemist and druggist, Edinburgh), Royal Engineers.

HICKS, Captain George, chemist and druggist, Rothsay, 4th Highland Mountain Brigade, Royal Garrison Artillery.

HOLBROOK, P. T. (with Mr. J. H. Shepherd, Ph.C., Cleveland), R.A.M.C. (T.).

HOWARD, Lance-Corporal B. F., F.I.C., director of Howards & Sons, Ltd., Ilford, London; Lance-Corporal G. E. HOWARD, also a director; Private C. F. HOWARD, B.A., son of Mr. A. G. Howard, director of the firm; and Private H. Lloyd HOWARD, son of Mr. D. Lloyd Howard, director of the firm, all in the Artists Rifle Corps. Also Second Lieutenant E. S. G. HOWARD, son of Mr. A. G. Howard, Royal Field Artillery.

HUNT, Gunner Jas. (with Messrs. Gilbert & Hall, chemists and druggists, Bournemouth), 203rd Battery, Royal Field Artillery.

HUNTER, Private D. (with Messrs. Caw & Robertson, chemists and druggists, Cupar-Fife), R.A.M.C.

HUTCHIN, Private R. F., chemist and druggist, R.A.M.C.; also Private C. J. HUTCHIN, University Corps (sons of Mr. Wm. F. W. Hutchin, chemist and druggist, Burnham, Somerset).

ISON, Private C. F. (son of Mr. C. E. Ison, chemist and druggist, Atherstone), Oxfordshire and Bucks Light Infantry.

JAMIESON, Herbert Grahame (son of Mr. S. Jamieson, of the H. K. Mulford Co., London), Public Schools Corps.

JEANS, James F. (son of the late Mr. T. R. Jeans, Pendleton, Manchester), Lancashire Yeomanry.

JONES, John (with Mr. J. Milne, Aberdeen), 2nd Highland Field Ambulance (T.).

KAY, L. (with W. & R. Hatrick & Co., Glasgow), 5th (Lochiel's) Cameron Highlanders.

KELLY, Arthur S. (son of Mr. W. H. Kelly, C. & D. office staff), 17th County of London Regiment (T.).

KENT, Humphrey (son of a director of G. B. Kent & Sons, Ltd., London), Honourable Artillery Company.

KERR, James W. (with Mr. Jas. P. Sinclair, chemist and druggist, Gullane, Haddingtonshire), R.A.M.C.

KINNAIRD, Thomas (with Duncan, Flockhart & Co., Edinburgh), Royal Garrison Artillery.

LAING, Lieutenant A. L. (chemist and druggist, Lerwick), Gordon Highlanders (T.), Shetland Companies.

LAMB, Thos. (with Mr. A. Gray, chemist and druggist, Aberdeen), 1st Highland Field Ambulance (T.).

LEITCH, John T. (with Duncan, Flockhart & Co., Edinburgh), R.A.M.C.

LONG, Bombardier F. J., B Battery, Honourable Artillery Company. Mr. Long, who served in the South African war, is the West of England representative of Messrs. G. B. Kent & Sons, Ltd.

LOWRIE, Peter (with Duncan, Flockhart & Co., Edinburgh), 5th Royal Scots.

MCINROY, J. F. (son of Mr. Jas. McInroy, chemist and druggist, Liverpool, and recently with Philip Harris & Co., Ltd., Birmingham), R.A.M.C.T.

MACKANESS, C. L. (son of Mr. Chas. Mackaness, chemist and druggist, Bescot, Walsall), R.A.M.C.

McMILLAN, Private George A. (son of Mr. Jas. M. McMillan, chemist and druggist, Ayr, Ayrshire Yeomanry).

McMURTRIE, John, jun., chemist and druggist (son of Mr. J. McMurtrie, chemist and druggist, Macduff, with Mr. T. E. Greenish, London), R.A.M.C.

MACRAE, George W. (with Lewis & Burrows, Ltd., London), Seaforth Highlanders (T.).

MARLAR, Staff-Sergeant J. F., chemist and druggist, Colchester; also his son, Private John Marlar, Public Schools Battalion, Middlesex Regiment.

MAUNDER, Lieutenant J. H., chemist and druggist, Teignmouth, Wessex Field Ambulance.

MILLAR, John P. (with Duncan, Flockhart & Co., Edinburgh), 9th Royal Scots.

MILLAR, Quartermaster-Sergeant J. (of the representative staff of Oppenheimer, Son & Co., Ltd., London), Edinburgh Reserve (Artillery). Mr. Millar served in the Bombay Artillery when he was with Treacher & Co., there.

MILLER, James (with Lewis & Burrows, Ltd., London), R.A.M.C.

NORMAN, K. V. (son of Mr. V. Norman, chemist and druggist, Godalming), Old Public Schools and University Corps.

ONYON, Second Lieutenant R. R. (son of Mr. E. A. Onyon, Eyc, Suffolk), 6th East Surrey Regiment.

PLATTS, Lieutenant R. H. (Whiffen & Sons, Ltd., Battersea, London, S.W.), Royal Garrison Artillery.

PRINCE, Captain Alf. G. (of the Apollinaris Co., Ltd., London), 7th City of London Regiment.

ROEB, W. R. (with W. Martindale, London), R.A.M.C.

ROBINSON, R., chemist and druggist, Cardiff, R.A.M.C.T.

ROBSON, A. (with Mr. Newsholme, Sheffield), Royal Artillery.

ROPER, R. L. (with R. & F. Roper, Plymouth), Universities and Public Schools Corps.

ROSE, Private L. H. (with Messrs. Gilbert & Hall, chemists and druggists, Bournemouth), 5th Yorks Regiment.

ROWCROFT, A. E. (Roweroft & Co., Maidstone), R.A.M.C. (T.).

ROWLAND, Private Thomas (late apprentice with Mr. R. Reeves, chemist and druggist, Oswestry), R.A.M.C. Mr. Rowland is at present ill in hospital in France.

SAYER, Private S. (late with Mr. Timmis, chemist and druggist, Beckenham), R.A.M.C.

SCOTT, Ernest (with Lewis & Burrows, Ltd., London), R.A.M.C.

SHAPCOTT, S. T. (son of Mr. W. H. Pyne Shapcott, chemist and druggist, Combe Martin, North Devon), Seaforth Highlanders.

SHARRAH, W. (son of Mr. R. Sharrah, chemist and druggist, of the representative staff of The British Drug Houses, Ltd.), Winnipeg Light Infantry.

SINGER, Fred. (with Mr. W. F. Hay, chemist and druggist, Aberdeen), 1st Highland Field Ambulance (T.).

SLOAN, J. (with W. & R. Hatrick & Co., Glasgow), R.A.M.C.

SMITH, Sergeant W. T., chemist and druggist, Bembridge, I.W. Isle of Wight (Princess Beatrice's Rifles (T.F.)).

SNESBY, Frank, chemist and druggist, Bury St. Edmunds, R.A.M.C. (East Anglian).

SPEARING, Arthur (with W. Martindale, London), R.A.M.C.

SPENCER, Corporal C. H. S. (son of Mr. Chas. Spencer, chemist and druggist, Leamington), Warwickshire Royal Horse Artillery.

SPROTT, Thomas, Ph.C. (Ireland) (late principal assistant with Messrs. W. A. Frizzell & Co., Londonderry), R.A.M.C.

SWINGLEHURST, Chief Petty Officer Arthur (son of Mr. J. Swinglehurst, chemist and druggist, Barrowford), wireless operator, R.N.R.

THOMAS, D. R., Queen's Own Oxfordshire Hussars; and T. THOMAS and J. THOMAS, 4th Oxford and Bucks Light Infantry (sons of Mr. D. R. Thomas, chemist and druggist, Oxford).

TYLER, A. T., chemist and druggist, representative of Messrs. Parke, Davis & Co. in Brighton and district.

UDALL, W. E. (with Thompson & Capper, Ltd., Liverpool), Liverpool Regiment.

WALKER, Jas. (with Duncan, Flockhart & Co., Edinburgh), 6th Royal Scots.

WANKLYN, Sub-Lieut. H. G. (son of Mr. H. A. Wanklyn, Manchester Avenue, E.C.), R.N. Flying Corps.

WELLINGTON, Private D., 23rd Batt. London Regiment (T.); also Private W. Wellington and Driver H. H. Wellington, Army Service Corps, 1st London Division (T.) (sons of Mr. F. W. Wellington, chemist and druggist, Higham's Park, London, N.).

WESTROPP, Private M., Portsmouth. R.A.M.C.

WHIFFEN, Captain G. Goodman, 5th East Surrey Regiment; also Lieutenant Stanley W. Whiffen, Army Service Corps (T. & S.), both of Whiffen & Sons, Ltd., Battersea, London, S.W.

WHITELAW, Private R. S. (son and pupil of Mr. Alexander Whitelaw, chemist and druggist, Cupar-Fife), R.A.M.C.

WIGGINTON, Lieutenant J. H. B., F.C.S., chemist and druggist, London, Army Service Corps (T.). (See Personalial.)

WILLIAMS, Trooper G. L. B. (formerly with Mr. R. W. Brooke, chemist and druggist, Beaconsfield), 3rd County of London Yeomanry (Sharpshooters).

WITHERS, William (of Oppenheimer, Son & Co., Ltd., London), R.F.A.

WOLLEN, P. C. (with Thompson & Capper, Ltd., Liverpool), R.A.M.C.

BRIEF MENTION.

Two of the staff of N. W. Mitchell & Sons, Ltd., have enlisted.

Two of the staff of Boulton Macro, Ltd., London, are on active service.

Ten members of the staff of Potter & Clarke, Ltd., London, have left for service.

Six employes of John Bell & Croyden, Ltd., London, W., have joined the Colours.

Howards & Sons, Ltd., London.—Thirty-two employes have enlisted in the Army.

Burgoyne, Burbidges & Co., London.—Twenty-five employes have taken up arms.

Seven employes of Corbyn, Stacey & Co., Ltd., London, have joined their regiments.

Six of the employes of Burge, Warren & Ridgley, Ltd., London, have joined the Army.

Thompson & Capper, Ltd., Liverpool, intimate that five of their employes have enlisted.

Thomas Beecham, St. Helens, Lancashire.—Twelve employes are with the Colours.

Six of the staff of Reynolds & Branson, Ltd., Leeds, have joined their Territorial Regiments.

Four of the employes of Baiss Bros. & Stevenson, Ltd., Bermondsey, S.E., are serving in the Army.

The Apollinaris Co., Ltd., London, have released twenty-three of their employes for military service.

Nine of the staff of Lewis & Burrows, Ltd., London, have left for active service, one of them as a nurse.

Nearly fifteen hundred of the employes of Lever Bros., Ltd., have left Port Sunlight to join the Colours.

Ingram & Royle, Ltd., London, inform us that twelve of their employes have joined Lord Kitchener's Army.

Spencer, Chapman & Messel, Ltd., London.—Thirty members of the staff of this firm have joined the Colours.

Raines & Co., York, inform us that fifteen of their employes have left to join the various branches of the Forces.

John Bell, Hills & Lucas, Ltd., London, intimate that 50 per cent. of the eligible young men on their staff have joined the Colours.

Twenty of the employes of John J. Griffin & Sons, Ltd., Kingsway, W.C., have been called up or have joined the Army since the beginning of the war.

Of the employes of Whiffen & Sons, Ltd., Battersea, S.W., eighteen have been called up or have joined the Army or Navy since the beginning of the war.

Eleven of the employes of the wholesale and retail establishments of Duncan, Flockhart & Co., Edinburgh, have been called up or have enlisted in the Army since the beginning of the war.

We hope to print in an early issue the names of employes of several manufacturers and wholesalers which we have also received but cannot find room for in this issue. The Editor will be glad to receive additional names to those printed last week, and this not later than Wednesday, September 30.

ENGLISH AND WELSH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Brevities.

The new prospectus of the Northampton Polytechnic Institute, Clerkenwell, London, E.C., is now ready. The courses of study include technical optics and chemistry.

In Camberwell last quarter olive oil purchased by the Food and Drugs inspector proved to be cottonseed oil, and the vendor was summoned but discharged on payment of costs.

The Asylums Committee of London County Council have increased the charge for patients in their institutions 2½d. per week owing to the enhanced prices of drugs and provisions. This makes an increase of 6d. per week per patient within the year.

At the Victoria Police-court, Birmingham, on September 23, the jurors' list was presented to the Magistrates for ratification before Messrs. Alderman Clayton, Ph.C., W. J. F. Blackwell, Ph.C., and others. Many objections were named, and these, being *bona fide*, were allowed. Several pharmaceutical chemists claimed exemption.

Three deaths due to taking poisons have been reported since our last issue. Two were suicidal cases, spirit of salt and carbolic acid being the poisons used. A Glasgow workman died from the effects of copper and sulphur poisoning, through falling into a tank containing a solution of a copper salt and other chemicals, a quantity of which he swallowed.

At Conway honey-fair best heather-drawn honey was recently sold at 1s. 3d. per lb. and a less clear variety at 1s. The effect of the war in reducing the supply of sugar (says "The Grocer") might be expected to increase the demand for honey as an alternative sweet food, but as yet the price of sugar has not risen to such an extent as to turn attention to honey as a substitute.

During the past quarter ten samples of drugs were purchased for analysis under the Sale of Food and Drugs Acts in Poplar. All the samples were found to be genuine. The same number of samples were examined in Bermondsey, with a similar result. Of ninety samples taken in St. Albans, one unofficial sample of sweet spirit of nitre and one unofficial sample of Epsom salt were unsatisfactory.

An Autumn Outing.

An excursion of the Newcastle-upon-Tyne Pharmacists' Association took place on September 16 to Bellingham, on the North Tyne. The lateness of the season and other matters were against a large attendance, but those who participated enjoyed the outing. The party left by the 1.40 train in fine weather, and tea was partaken of at the Waverley Hotel. A photograph was taken, and the company walked in the evening to Hareshaw Lynn.

Liverpool.

Supporting the "Business as usual" movement, Eucryl, Limited, have about seventy window-shows of their special tooth-powder in different pharmacies in the district.

It has been rumoured freely that a prominent local retail pharmacist had been offered, and had accepted, a position as lieutenant and quartermaster in the R.A.M.C. The pharmacist in question denies the authenticity of the report.

Business has been exceptionally brisk with city chemists during the last few weeks. Owing to the transatlantic traffic having been diverted from Plymouth, Southampton, etc., to Liverpool, the huge influx of returning Americans has kept things busy on Merseyside.

Manchester.

The stock and fixtures of N. Withnell & Co., Ltd., chemists and druggists, Chorlton-cum-Hardy and Moss Side, Manchester, who are in voluntary liquidation, were this week sold by auction.

Sheffield.

Local chemists are readily falling in with the national scheme for supplying the dependants of soldiers and sailors with medicines at cost prices. The matter had previously been under consideration, but was held over as the local medical men had decided to give both attendance and medicine free. Now that the matter had been taken up nationally they will probably fall in with the offer of the chemists to give their services free.

Drug-stores Society.

A meeting of the Council of the Incorporated Society of Pharmacy and Drug-store Proprietors of Great Britain, Ltd., was held at Cowborough's Restaurant, Leeds, on Wednesday, September 16, Mr. W. Huntrods presiding, when the annual report was considered and passed. Messrs. Eskricht, Childe, Fox, Haliday, and Hutchinson were appointed to deal with the membership question.

Shops Act.

The Home Secretary has confirmed an order for chemists and druggists at Rickmansworth to close each Wednesday at 1 p.m.

Worcestershire County Council on September 19 issued an order for chemists and druggists at Halesowen, Hasbury, and Hawne to close at 8 p.m. on Mondays, Tuesdays, and Wednesdays; 1 p.m. or 8 p.m. on Thursdays; 9.30 p.m. on Fridays; and 10.30 p.m. or 1 p.m. on Saturdays. On the day before Good Friday the closing-hour is to be 10 p.m.; on the Monday, Tuesday, and Wednesday before Easter, 8.30 p.m.; on the Saturday before Easter, 11 p.m.; on each of the six weekdays before Christmas Day, 11 p.m.; and on the Friday and Saturday before Whit Sunday and the August Bank Holiday, 10 p.m. and 11 p.m. respectively.

Contracts for Drugs.

New Contracts.—We report the acceptance of various tenders, and include observations made at meetings of certain Guardians as to the effect of the war upon drug supplies and prices:

Ayr Town Council have informed their contractors for drugs that they expect them to carry out the contracts at scheduled prices, but when prices are more settled the Hospital Committee will take into consideration any applications for increased rates with regard to those drugs the prices of which have seriously advanced.

Camberwell Guardians are asking certain firms to tender for monthly supplies of drugs, etc., and have accepted the tender of Messrs. J. G. Ingram & Son for indiarubber water-beds.

Chard Guardians.—Mr. A. Sanders, for drugs, etc.

Cranbrook (Kent) Guardians decided on September 16 to ask the three local chemists to submit monthly tenders, as they had received none for medicines and appliances.

Crown Agents for the Colonies.—Barnes & Co., Upper Thames Street, E.C., for medical comforts; Down Bros., Ltd., St. Thomas Street, S.E., for surgical apparatus; S. Maw, Son & Sons, Aldersgate Street, E.C., for surgical dressings.

Hartismere Guardians.—As no tenders have been received from local chemists for surgical dressings, these are to be purchased in the open market.

Lambeth.—Captain Thimm, R.N.R., Chairman of the Finance Committee of the Lambeth Guardians, in introducing the estimates for the next half-year, said that the increase (2,000%) in the expenditure was due to the fact that a very large store of drugs and druggists' sundries had been purchased to stock the new central drug-stores. The drug-contractors' accounts were 1,367% in excess of the amount provided for drugs last year. The whole system had been altered, and would result in a great saving and more economy. The Medical Superintendent, in reporting on increased prices of drugs, said he had given instructions that strict economy should be exercised in prescribing.

Linton Guardians.—McDougal Bros., for soap.

Orsett Guardians.—Jordan Bros., Grays, for drugs.

Post Office.—Brunner, Mond & Co., Ltd., Winnington, for chloride of ammonia; Wilkins, Campbell & Co., Great Tower Street, E.C., for petrolcum jelly.

Southend-on-Sea Town Council.—Mr. F. Ingram Johnson, chemist and druggist, contractor for the supply of drugs and druggists' sundries to the Town Council, having written about the considerable increase in the prices of certain articles, the Health Committee authorised the medical officer of health to come to an agreement with him as to

revised prices for such articles, and the Town Council has approved this action.

Southwark Guardians are asking for monthly quotations from selected firms.

Strood (Kent) Guardians.—Mr. J. Hewitt, Strood, appointed chemist for six months; and the following tenders were accepted: The Sanitas Co., Ltd., for Sanitas disinfecting-fluid; F. C. Calvert & Co., for disinfecting-fluid; Cuxson, Gerrard & Co., Ltd., for surgical bandages, appliances, etc.

Swaffham Guardians.—McDougal Bros., Ltd., for six months' supply of disinfectants, soap, etc.

Tadcaster Guardians.—Mr. J. H. Hull, for drugs, etc.

Upton-on-Severn Guardians.—Mr. H. G. Aubrey, for drugs.

Wandsworth Guardians have decided to provide an extra 250% to meet the increased cost of drugs.

Welsh Hospital, Netley.—Ferris & Co., Ltd., for drugs; J. R. Butt & Co., for x-ray apparatus; A. W. Staniforth & Co., for surgical instruments, appliances, and dressings.

Wolverhampton Guardians.—Corbyn, Stacey & Co., Ltd., for drugs up to December 31; Robinson & Sons, Ltd., for surgical dressings; G. H. Kidson, Ltd., for soap and starch; A. H. Harrold, for borax; W. & A. Jeffs, Ltd., for washing-soda.

Woolwich Guardians have decided to suspend for the present the discount off the list price of drugs.

College of Ambulance.

At a gathering in the hall of the Polytechnic Institution, Regent Street, on September 9, Mr. Robert Mitchell presiding, the question of the formation of a College of Ambulance and of a Humanitarian Corps to render First Aid to those in need was discussed. Dr. Cathcart, addressing the meeting, referred to the work of Mr. James Cantlie in raising the Volunteer Medical Staff Corps, now the R.A.M.C.T. It had been proposed to recognise the efforts of Mr. Cantlie in ambulance work by presenting him with a suitable testimonial. Mr. Cantlie had a scheme in hand, and this he would put before the meeting. Mr. Cantlie then gave the meeting his ideas regarding the foundation of a College of Ambulance and a Humanitarian Corps to render First Aid to the Needy. On the proposal of Dr. Cathcart, the meeting resolved that the testimonial to Mr. Cantlie should take the form of a sum of money towards the foundation of a College of Ambulance and a Humanitarian Corps in conformity with the address they had just heard.

From Various Courts.

At Oldham Police Court on September 17, Robert Lomas was sentenced to three months' imprisonment for stealing eighteen syphons. He had broken the syphons with a view to melting up the metal tops.

At Brentford Police Court on September 22, Orland Edgar Miller (49) was again remanded on a charge of manslaughter which arose out of the evidence given in July at an inquest held on Miss K. A. Scott, to whom he administered scopolamine.

IRISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Pharmaceutical Society of Ireland.

The seven retiring members of Council offered themselves for re-election, and as no other nominations were received they will be elected at the annual meeting to be held on October 5, at 7.30 p.m., at 67 Lower Mount Street, Dublin. The Pharmaceutical Schools of Chemistry, Botany, and Materia Medica will reopen on Thursday, October 1. Particulars as to fees and the syllabus of the course can be had from the Registrar on application.

Brevities.

Sir Thomas Robinson, Ph.C., Dublin, has subscribed 5*l.* and Dr. P. Merrin, Ph.C., Kingstown, 2*l.* 2*s.* to the Prince of Wales' National Relief Fund.

A notice has been issued requiring creditors of the late Mr. Samuel Bonnar, Ballymena, to furnish before October 1 particulars of their claims to Messrs. J. K. Currie & Son, 13 St. Stephen's Green North, Dublin.

The employes of Messrs. Wilson, Jordan & Alexander, Ltd., wholesale druggists, Tomb Street, Belfast, have

raised 5*l.* 12*s.* for the local auxiliary of the National Relief Fund, and the firm has given 20*l.* to the same object.

At a meeting last week of the Executive Committee of the Belfast branch of the National Society for the Prevention of Cruelty to Children a resolution was passed expressing regret at the death of Mrs. Payne (widow of the late Mr. J. C. C. Payne, Ph.C.), who had been an active member of the Committee since the inauguration of the branch.

Mr. John McClement, J.P., chemist and druggist, Newtownards, presented each of the 119 local recruits who enlisted in Kitchener's Army with a stick of shaving-soap. Mr. McClement acted as one of the attesting magistrates at the swearing-in of recruits, and Mr. William Hanna, J.P., acted in a similar capacity at Bangor, co. Down.

Mr. Stanley Cochrane, D.L., of Cantrell & Cochrane, Ltd., Dublin and Belfast, has been gazetted to a commission in the 7th Battalion Royal Dublin Fusiliers. The company has subscribed 200*l.* to the National Relief Fund, and Sir Ernest Cochrane, J.P., has also contributed 100*l.* The company are giving 5*l.* to each employé going to the front, keeping his place open, and paying half salary to the absentee's representatives.

SCOTTISH NEWS.

Subscribers are invited to send to the Editor newspapers containing news of trade interest. Please mark the items.

Aberdeen and the North.

Trade has been very disappointing in the North during August and September.

Pocket medicine-cases containing a few useful drugs in tablet form are in good demand by soldiers going abroad.

The demand for Eau-de-Cologne, especially of German origin, has greatly diminished. Lavender-water is becoming more popular.

Glasgow and the West.

Tenders are invited for drugs, etc., for the Dumfriesshire and Galloway Royal Infirmary, and all tenders and samples must be lodged not later than September 29.

Mr. David McNay, chemist, Kilmarnock, has been awarded first prize in a window-dressing competition organised by Austin Edward, Ltd., for an exhibition of "Ensign" photographic goods.

Dr. Walter Dilling, lecturer in pharmacology at Aberdeen University, has been appointed to the Dr. Robert Pollok Lectureship in Materia Medica and Pharmacology in the University of Glasgow. Dr. Dilling is a graduate of Aberdeen University.

The golf-match, played over the Williamwood course, between Mr. Christie and Mr. Jack, to decide the winner of the competition for the President and Vice-President's prize, resulted in a win for Mr. Christie, with a score of 85, which also qualified for the monthly medal. The following ties in the foursomes have been played:

Messrs. Inglis and Lee beat Messrs. McEwan and McVittae.

Messrs. Grierson and Hogg beat Messrs. Henderson and Seiwright.

Messrs. Black and Crombie beat Messrs. McDonald and Moir.

Messrs. Wood Wilson and Halliwell beat Messrs. Moffat and Tweedily.

In the report of the Chemists' Friendly Society to be submitted at the annual meeting in Glasgow on October 1, the Board of Directors state that 260 members have been admitted since July 14, 1913. Regarding the growing desire for a non-State section of the Society, the Board is of opinion that, in view of the fact that many members are on active service at present, this would not be an opportune time for setting this section in operation. From the financial statement for the year the Society appears to be in a flourishing condition. The directors who retire at this time and are eligible for re-election are Messrs. T. Guthrie, I. Anderson, D. L. Dewar, G. S. Kitchin, and J. Lennox.

FRENCH NEWS.

(From the "C. & D." Paris Correspondent.)

FOOD AND DRUGS ACT.—The report of M. Adrien Dariac on the French Budget of Agriculture contains an interesting reference to the laboratories (attached to the Ministry of Agriculture) for examining products under the Food and Drugs Adulteration Act, 1905. The peculiar and unenviable position of the pharmacist is that in the present state of the law the Codex standard is taken as the criterion of purity. Now, although the present Codex is dated 1908, it was almost entirely drawn up before the 1905 Act became law, and its standards were framed rather as an ideal to which the pharmacist should aspire than as a simple test of a fair and unadulterated commercial product. The anti-adulteration service of the Ministry of Agriculture has taken steps to mollify, so far as is possible, the rigour of the law. It avoids judicial action in cases where the impurity seems in any way justifiable, and in January 1912 issued a circular inviting the laboratories to be tolerant in drawing conclusions from analyses of such products. To the report are annexed various statistical tables. From these it appears that between 1909 and 1912 1,258 crude drugs and chemicals were examined at the Central Laboratory, of which 849 were passed as commercially pure and 409 classed as below the commercial standard. Of fifty-two samples of compound medicaments (prescriptions dispensed), thirty-five were passed and seventeen criticised. The number of patents, articles of perfumery, etc., analysed was ninety-five; of these thirty-three were found satisfactory. The percentages per annum of deficient or adulterated samples are shown as follows: 1909-10, 43.8; 1911, 45.8; 1912, 32.0. This seems to indicate that the general percentage of commercial purity has been raised by the operation of the Act. The actual number of samples analysed was 370 in 1909-10, 340 in 1911, and 695 in 1912—1,405 in all.

O.F.S. Medical and Pharmacy Council.

The monthly meeting of the Council was held at Bloemfontein on August 14. The following registration was confirmed: William Edward Albert Lehmann (Chem. and Drug. O.F.S., 1914) as a chemist and druggist. Address: P.O. Box 45, Vrede. The report of the examiners for the special Chemists' and Druggists' examination held on July 23 and 24 was read by the Secretary. The report stated, *inter alia*, that the Secretary had been instructed to inform the only candidate, Mr. W. E. A. Lehmann, that he had passed the examination. The Secretary read a letter from the Secretary for the Interior asking the Council to continue its functions without financial assistance from public funds owing to the extreme gravity of the European situation and the resultant effect on the finances of the Union. A lengthy discussion followed. The President pointed out that the Council was in a sound financial position, and gave figures, but it is entirely dependent for its revenue on a Government grant of 250*l.* per annum, out of which the Secretary's salary, examiners' fees, the cost of publication of the Register, and petty cash for postage, etc., have to be met. The registration-fees and fees paid by candidates for the various examinations conducted by the Council are paid into the Public Treasury, and are not available for the Council. It was generally agreed that the Secretary's salary must at least be paid regularly. It was decided that the examiners already appointed for the special and ordinary examinations should be paid their fees in full, and notice of motion was given to amend the regulations in such a way as to increase the fees due from candidates for examinations by the amount required to pay the examiners' fees. The Secretary was instructed to reply to the Secretary for the Interior to the effect that the Council was prepared to exercise its functions as far as possible without assistance from public funds, and that the Government be requested to remit the rental for the Council's P.O. box and telephone and to grant franking powers to the Secretary. The Secretary was further instructed to point out that the Government received a considerable amount of revenue from registration and examination fees as the result of the functions exercised by the Council, and to state the actual amount so handed over for previous years. The amounts paid to the Government during the last two financial years totalled 376*l.* 14*s.* 6*d.*

LEGAL REPORTS.

TRADE LAW.

Preservatives in Jam.—Five grains of benzoic acid in a pound of black-currant jam took a Widnes grocer into court recently, because the local authority considered the presence of this preservative ought to be made public. The Magistrates thought a technical offence had been committed under the Sale of Food and Drugs Acts, and fined the defendant 10s. and costs.

Sweet Spirit of Nitre.—At the Ruthin (North Wales) Police Court last week, Miss A. Parry, trading as A. J. & A. Parry, grocers, Llandegla, near Ruthin, was fined 1s. and 18s. costs, for selling sweet spirit of nitre found to be deficient in ethyl nitrite to the extent of 45.3 per cent.—The same penalty was imposed on Daniel Jones, shopkeeper, Llandegla, Ruthin, the spirit which he sold being deficient in ethyl nitrite to the extent of 29.4 per cent.—At Sheffield on September 22, Annie Greenfield and Florence Greenfield, grocers, 2 Ardmore Street, were jointly fined 15s., including costs, for selling sweet spirit of nitre containing only 0.98 per cent. of ethyl nitrite instead of 1.75 per cent., and containing 1.58 per cent. of water in excess of the legitimate proportion.

County Courts and Debts.—We have already published various notes in regard to the powers of creditors in suing for debts while the moratorium is in force. The stoppage of this as regards debts due to or by retailers (see p. 57) means that actions for debt-recovery will be resumed in county courts. Cases to which the moratorium applies come under the Statutory Rules and Orders, 1914, and have been passed by the Lord Chancellor, and bear the signatures of Judges Sir Wm. Lucius Selfe, Wm. C. Smyly, R. Woodfall, T. C. Granger, and H. Tindal Atkinson. It is also enacted that no person shall "proceed to execution on, or to the enforcement of, any judgments or order of the Court, whether entered or made before or after the passing of this Act, or levy any distress, take, resume, or enter into possession of any property, exercise any right of re-entry, foreclose, or realise any security, except by way of sale by a mortgagee in possession." It is also provided by the Courts (Emergency Powers) Act, 1914, that "where a bankruptcy petition has been presented against any debtor, and the debtor proves to the satisfaction of the Court, having jurisdiction in bankruptcy, that his inability to pay his debts is due to circumstances attributable directly or indirectly to the present war, the Court may, in its absolute discretion, after considering all the circumstances of the case and the position of all the parties, at any time stay the proceedings under the petition for such time and subject to such conditions as the Court thinks fit." The Act has effect during the continuance of the present war and for a period of six months thereafter. As to its application in bankruptcy, at a recent meeting in the London Bankruptcy Court of the creditors of a Poplar butcher the Official Receiver stated that the petition had been filed consequent on a distraint being levied by the landlord. The Act provided that the latter could only act in that manner after having obtained the leave of the Court, and as that regulation had not been complied with he, as Official Receiver, had accepted an offer submitted by the debtor's friends to purchase the household furniture. The result would be that the proceeds from the sale would be devoted to the benefit of the creditors, instead of going into the pocket of the landlord.

GAZETTE.

Partnerships Dissolved.

GOODY, E. S., and GOLDSMITH, B., Llandudno, physicians and surgeons, under the style of Drs. Goody & Goldsmith.

HOSKING, E., and ESCHWEGE, F. S., Turner's Hill, Sussex, general medical practitioners, under the style of Hosking & Eschwege.

Bankruptcy Acts.

RECEIVING ORDER.

EVANS, A., Queen's Road, Walthamstow, surgical-instrument maker.

AS A SUBSTITUTE for salicylates, Dr. Heaton Howard, writing to "The Lancet" (1914, II., 728), suggests the use of the preparations of the potato, which give speedy relief in many rheumatic conditions. (See *C. & D.*, June 13, p. 54.)

Trade-marks of Alien Enemies.

THE hearing of applications to suspend certain trade-marks belonging to alien enemies commenced at the Patent Office on September 18. These were the first cases under the new Trade-mark Rules, but, judging by the attendance of the public, the proceedings did not attract so much attention as the hearing of the patent cases on the previous day. The Comptroller (Mr. W. Temple Franks) was on the bench, and by his side sat Sir Cornelius Dalton, the former chief of the Patent Office.

Korior!

The first case was an application by Mr. J. Partridge, South Street, Finsbury, London, E.C., for the suspension of the rights in the word "Korior" (trade-mark 327,223), which is registered in the name of a German firm. Mr. Bousfield, who appeared for applicant, said korior is a preparation for stiffening the leather for the toe-caps of boots, and the sale in this country has been built up by applicant, whose travellers are now doing nothing owing to the stoppage of supplies of the preparation. Applicant is acquainted with the formula, and proposed to make the korior himself.

The Comptroller said there is a difference in regard to a trade-mark which is not applied to a patented article, as the name in the present case may perhaps be applied to a different article from that hitherto sold under the name. The public must be protected in some way. Would the applicant agree to a form of words indicating that the article is not the exact thing—*e.g.*, "Partridge's Leather-stiffening Preparation, a substitute for Korior hitherto made abroad"?

Mr. Partridge, who was present, said that the korior he should make would not be a substitute. There are already substitutes which do not answer the purpose so well as korior.

The Comptroller: Well, suppose you said it was "made of the same substances as korior"?

After further discussion, Mr. Bousfield promised to submit a form of words which would prevent any deception of the public, and the Comptroller said he would then consider whether he could make a recommendation to the Board of Trade.

Urotropine.

Mr. Sebastian, K.C., then made application on behalf of Mr. H. S. Wellcome for the suspension of trade-mark "Urotropine" (trade-mark 215,652), registered in the name of Schering, Berlin. Mr. Moulton, K.C., appeared for Messrs. A. & M. Zimmermann, Ltd., as interested persons, owing to the stock of urotropine which the company holds. Mr. Sebastian said that applicant only desired to use the name during the continuance of the war. A good deal of money had been spent by applicant on packages, labels, and advertisements of "tabloid urotropine," which has popularised the drug with the medical profession. Urotropine is practically the commercial name for hexamethylenetetramine. After an explanation of the properties of the drug and a statement that doctors only know it under the name of urotropine, Mr. Sebastian quoted Lord Macnaghten as saying, "Thirsty persons want beer, not explanations," with the idea of conveying the futility of entering into arguments with medical men when they persist in calling hexamethylenetetramine by the name urotropine.

Dr. H. A. D. Jowett was called as a witness for Mr. Wellcome, and he stated that there would be no difficulty in making the pure substance, which is a well-known chemical. No special plant would be required. The drug is used to a large extent, and the stock held by Burroughs Wellcome & Co. will not last long.

Mr. Moulton cross-examined witness, and produced price-lists and books to show that urotropine is but one of several trade-names for hexamethylenetetramine. He quoted a list of synonyms.

The Comptroller: It would be known by its popular name. I have not heard it called by these strange names. It would be difficult to ask a chemist for it under those names.

Mr. Moulton, continuing, said that the fact that a much higher price is obtained for the drug as urotropine showed that the Schering product had a high reputation. Witness denied that the name formamin is as well known as urotropine.

Mr. Geo. Pearson, general manager of Burroughs Wellcome & Co., was next questioned by the Comptroller. It would be useless, he said, to employ any other name for the drug than that under which the medical profession knows it. The difference in price is due probably to the fact that urotropine is the name used by the original makers. He did not think it would be advisable to label the preparation "Made by Burroughs Wellcome & Co." or "Not

made by Schering," as medical men do not know who are the makers of urotropine.

In reply to Sir Cornelius Dalton, Mr. Sebastian pointed out that the price-lists of T. Tyrer & Co. and Evans Sons Lescher & Webb do not indicate that urotropine is a special manufacture.

Mr. Moulton cross-examined Mr. Pearson with the object of getting him to admit that formamin is as well known as urotropine, but Mr. Pearson would not admit this. His firm would not manufacture the chemical so long as they could obtain supplies at present prices from the agents in this country. The price has already been raised 3d. an ounce.

Mr. Moulton then addressed the Court, contending that it would not be in the interests of the public to allow a cheaper product to be sold as urotropine. He also called Mr. A. Zimmermann, who was examined regarding the stock he has of urotropine. He has enough to meet normal requirements for six months.

The Comptroller: Why did the price go up?

Mr. Zimmermann: That was not done with my authority.

In reply to Mr. Sebastian, witness admitted that he might have half a ton of urotropine in stock and could obtain supplies from neutral countries. "They may want it themselves," was counsel's comment. Witness further said that the drug is ordered in hospitals as hexamethylenetetramine, and he himself sells four times more under that name than as urotropine. The latter is a purer product, but hexamethylenetetramine does as well. It requires particular skill to produce urotropine. "The sort of skill that Burroughs Wellcome would use," said Mr. Sebastian, who proceeded to state that so long as the firm could obtain supplies they would not manufacture the chemical. He pointed out also that the applicants were proposing to do a good action to the owners of the trade-mark by preserving the name during the time the drug could not be supplied.

It was agreed that the matter should stand over for three months to see how the stocks lasted. When applying again, the Comptroller said, it would not be necessary to go into all the details of the case.

Stypticin.

Mr. Sebastian appeared for the same applicant in regard to the suspension of the trade-mark "Stypticin" (216,872), belonging to E. Merck, Darmstadt. Mr. Ellis, for the agents in this country, undertook to supply applicants with normal quantities without raising the price as on August 3, and to let applicants know when the stock is running low so that they could apply again to the Court. The agents have, he said, from five to six months' supply in stock.

Heroin.

The next case was by the same applicant for the suspension of the trade-mark "Heroin" (322,540), registered in the name of the Farbwerke vorm. Friedr. Bayer & Co., Elberfeld.

Mr. Colefax, K.C., appeared for Bayer & Co., Ltd., the agents for the sale of heroin in this country, and made the statement that there is a firm able to supply at once 500 oz. of diacetylmorphine, and a further 500 oz. if necessary. He explained that this is the chemical name of heroin, and that panel doctors have been instructed to order it under the chemical name.

Mr. Sebastian produced the file from Somerset House showing that the shares in Bayer & Co., Ltd., are owned by persons residing in Germany, with the exception of fifty-four shares out of 10,000. He put in a package of heroin to show how it is sent out, but Mr. Colefax said that the present label is different in that the chemical name is given beneath the word heroin. Counsel for applicant outlined the medical uses of heroin, the reputation of which with medical men has been largely promoted by Messrs. Burroughs Wellcome & Co. The firm would not manufacture heroin so long as supplies are available.

Dr. H. A. D. Jowett, in the witness-chair, said he was satisfied, as the result of experiments, that his firm could make the chemical.

The Comptroller remarked that the present case is different from previous ones in that the expression "heroin hydrochloride" seems to indicate that heroin is not used alone.

Mr. Pearson, the next witness, said that on August 31, when asked by Bayer & Co., Ltd., whether Messrs. Burroughs Wellcome & Co. required a further supply of heroin, the answer was in the negative. Mr. Colefax then taxed witness with having inserted an anonymous advertisement in the *C. & D. Supplement* of September 12, asking for large quantities of heroin. Mr. Pearson replied that he knew nothing of the advertisement in question, and such an advertisement would not be put in from his firm without his knowledge. Mr. Colefax produced several price-lists to show that heroin hydrochloride is about twice the price of diacetylmorphine, and said to witness, "At what price are

you going to charge it?" "At the price of heroin hydrochloride," replied Mr. Pearson. Counsel also quoted from *THE CHEMIST AND DRUGGIST*, August 9, 1913, regarding the Kent Medical Committee's instruction to panel doctors not to order diacetylmorphine under the name of heroin.

Mr. Sebastian: That is not a general instruction from the Insurance Commissioners. He repeated his offer that Messrs. Burroughs Wellcome & Co. would not manufacture the drug so long as they could obtain supplies, and if it became necessary to make it the firm would indicate that the heroin was of their manufacture.

Mr. Colefax contended that there was not sufficient evidence to show that supplies cannot be had in this country. He also called Mr. Alexander, of Bayer & Co., Ltd., who said that the company holds six months' stock of heroin, and that a large quantity of diacetylmorphine is made in this country.

Mr. Sebastian, replying, pointed out that if applicants sold heroin at a lower price it would be disastrous to Bayer's when the war was over.

Eventually it was agreed to hold the case over, with leave to apply when stocks are running short.

Lysol.

On September 22 the Comptroller heard the applications for the suspension of the trade-mark "Lysol" (98,948) and lysol device (98,947), registered in the name of Schülke & Mayr, Hamburg. The applicants were Chas. Zimmermann & Co. (Chemicals), Ltd., for whom Mr. Gavin appeared; Robinson Bros., Ltd., for whom Mr. Kerly appeared; and Gospo, Ltd., represented by Mr. Deverish. Mr. Gray appeared in the interests of Pearson's Antiseptic Co., Ltd., and Mr. Rideal for Mr. A. Lynn, these last two parties having since filed applications for suspension. Mr. E. J. Parry, B.Sc., was present as chemical expert for Chas. Zimmermann & Co. (Chemicals), Ltd. It should be added that all the applicants did not make applications for suspending the second mark (device).

Mr. Gavin opened the proceedings by referring to the importance of lysol as an antiseptic and disinfectant, it being specially mentioned in the Proclamation of August 10 regarding the prohibition of exports. The shares in Chas. Zimmermann & Co. (Chemicals), Ltd., are held by British-born subjects, and the company has been for many years the exclusive buyer for this country of lysol from Schülke & Mayr. When war was declared the company was taking contracts for lysol, and it is to the benefit of the public that the supply should be continued. Messrs. Zimmermann proposed to manufacture the article in this country. They were in a position to supply the same article from the circumstance that for some time before the war they had been conducting experiments with a view of producing an article as good in every respect. These experiments have now been perfected and have placed the company in a better position to manufacture the article than anyone else in this country. Applicant asked for the exclusive right to make lysol on account of this and because of the large amount spent in advertising lysol. In reply to the Comptroller, Mr. Gavin said that lysol was originally made under a patent (1,017 of 1890). "That is an important point," commented the Comptroller, "as it may be that it is no longer a trade-mark; especially so if you ask for an exclusive right against other applicants."

Mr. Kerly, on behalf of Robinson Bros., Ltd., objected to the first applicant being given the exclusive right to make lysol. He considered that the only object of Messrs. Zimmermann's application was to keep the trade alive for the Germans, to whom he would possibly require to account hereafter. There is no secret about lysol, he added; it is a solution of cresol in soap to make it miscible with water, and it is prepared under a patent. He contended that Messrs. Zimmermann were in no better position than every chemist's shop and wholesale house who have been supplying lysol up to the present.

The Comptroller: Does every chemist advertise it as Messrs. Zimmermann do?

Mr. Kerly: It is advertised by being placed on sale. There is no reason why Messrs. Zimmermann should reap the great profits of the original introducers.

Samples of the packages were then exhibited, and attention was drawn to the label, in which Messrs. Zimmermann were named as the *dépôt*.

Some argument then took place as to the validity of the trade-mark, because it designates an article made from a patent, and Mr. Kerly said he applied for the suspension because the mark is registered, but this would not influence any action hereafter. He quoted from the patent specification to show that the inventor applied the name lysol or lysoline to his invention. Mr. Kerly added that his clients had been manufacturing chemists since 1869 and not since the beginning of the war only, like Messrs. Zimmermann.

Mr. Gray then took up the interests of Pearson's Antiseptic Co., Ltd., with similar arguments to those advanced

by Mr. Kerly. He stated that Messrs. Zimmermann have already anticipated the rights in the trade-mark, but that the article they have produced is inferior in efficiency to the lysol made by the original makers. His client would be prepared to keep the product up to the original quality.

Mr. Rideal, for Mr. Lynn, said lysol is a descriptive term, and as such should not be on the register at all. References in literature clearly indicate this. He quoted from Rideal's "Disinfectants," and said that similar references could be found in chemical literature. The Act does not limit the inquiry, and if the mark is not meritorious there is nothing to prevent that being taken into account. Mr. Lynn is making large quantities for the Belgian Red Cross Society, and does not want his interests to be prejudiced.

The Comptroller: Any permission to use the mark would be made without prejudice to any rights to apply for expunging the trade-mark. You may take it that if an exclusive right is not granted, it will be given to any proper manufacturing chemist who can give securities as to the proper strength being supplied, so that the public is not deceived.

Mr. Rideal stated that there is a difficulty regarding the potash required in the formula, as that is not now so freely available. Counsel then went on to argue that Messrs. Zimmermann are unmeritorious people, and quoted from their advertisement in *THE CHEMIST AND DRUGGIST* regarding the shortage of bottles, which, he said, was an attempt to mislead the public in a particularly gross manner into the belief that they were getting the original article. He particularly objected to allowing Messrs. Zimmermann to use the lysol device. He thought that any order made should prevent the use of this device and also prevent the repetition of statements misleading to the public.

Mr. Deverish, for Gospo, Ltd., said that Messrs. Zimmermann appear to be protecting the German manufacturers, and have already used the device without authority. He produced samples of the products made by Messrs. Zimmermann and the German firm, one being much lighter in colour. He hoped that the suspension would be limited in regard to the number of firms to whom permission is given. Referring to the price of lysol, counsel said his clients would even be prepared to bring down the price.

After further remarks, the Comptroller said that the Board of Trade would impose conditions as to the proper quality being maintained.

Mr. Gavin, replying, said that his clients have spent money in advertising the product, and, further, that they are not agents, but principals. Messrs. Zimmermann's money had built up the trade. The public would get what they have been in the habit of getting if his clients had the exclusive right to use the mark.

Sir Cornelius Dalton pointed out that hitherto Messrs. Zimmermann had only had the monopoly in selling, not in manufacturing.

Mr. Gavin then produced a telegram from Schülke & Mayr, dated July 31, telling Messrs. Zimmermann to endeavour to manufacture lysol in England.

The Comptroller, looking at Messrs. Zimmermann's advertisement in *THE CHEMIST AND DRUGGIST*, said he did not see that they had any right to use the device, as that suggests that the lysol is made by the German firm.

Mr. Gavin: It was a matter of emergency.

The Comptroller: Reading the remark about the shortage of bottles, one would imagine that lysol had always been made in England.

Mr. Gavin, proceeding said it was not the intention of the Act to destroy alien property, and there could be no better way of preserving it than by giving it to the persons who are bound by contract to take lysol from the German firm after the war is over.

The contract in German was then produced, and Mr. Kerly drew attention to the fact that the rights only dated from April 1, 1914; but Mr. Gavin explained that this was a renewal of a long-standing contract. He asked the Comptroller not to allow the market to be swamped with other products.

The Comptroller: Would not that enormously increase the consumption? After the war, when these people's rights come to an end, they would be bound to buy from you.

Mr. Kerly said that as regards the contract any chemist is in as good a position as Messrs. Zimmermann, because the new contract might have been made with other people. The advertisement on the lysol circulars state that Messrs. Zimmermann are agents.

Mr. Rideal remarked that a translation of the contract ought to be put in. He noticed, for example, that Schülke & Mayr undertook to pay half the expenses of advertising up to a certain amount.

After further discussion as to the necessity of using the name lysol, Mr. Gavin said that the selection of ingredients is important; an inferior article might be made under the

patent. The manufacture has been much improved since the expiry of the patent.

Mr. Kerly: The patent gives a certain range. My clients would supply the substance that has been on the market for some years.

The question of what tests should be incorporated in the Board of Trade Order was mentioned, and Mr. Gavin said his clients would make lysol under the supervision of the eminent analytical chemist Mr. Parry. Mr. Rideal said his client would give a superior article, and Mr. Gray suggested that the War Office test would be sufficient guarantee. Mr. Deverish contended that the bactericidal test would be better than the analytical test. Arguments were also placed before the Comptroller as to the use of the lysol device—whether it should be allowed to all applicants, or whether a condition of the suspension should be that the device be not used.

The Comptroller has now to report to the Board of Trade.

Sanatogen.

In the afternoon applications were heard in regard to the trade-mark Sanatogen (246,802 and 257,533). The applicants were Messrs. Callard, Stewart & Watt, Ltd., and Mr. J. E. Griffiths, East Sheen, S.W. Mr. Kerly appeared for the first-named applicants, and Mr. Gray for Mr. Griffiths. Mr. Colefax opposed the applications on behalf of the British proprietors, and Mr. Parry appeared as the chemical expert. Mr. Kerly and Mr. Gray both objected to Mr. Colefax being heard, as the opponents are alien enemies. Mr. Colefax said his clients have a licence from the Home Office to use ether, and are therefore permitted to trade in this country. Mr. Gray said that J. A. Wülfig, the proprietor of the business, and his son are Germans, and are at present fighting against the British. Another son is a reservist.

The Comptroller said the Court should know all the facts of the case, and he thought the line of least resistance would be to allow Mr. Colefax to make a statement later on.

Mr. Kerly then opened the case for Callard, Stewart & Watt, Ltd., and gave the history of the trade-mark, showing that all applications for registration were made from addresses in Germany. He further said that sanatogen is made under two patents, but the first has expired. Sanatogen is widely advertised, and is expensive. It is expressly stated not to be a secret remedy. His clients, who fulfilled the conditions laid down in the rules, asked for the exclusive suspension of the trade-mark.

The Comptroller asked whether the product could not be sold under some other name or as a "substitute for sanatogen." This would not be equally prejudicial to the owners.

Mr. Kerly: My clients would state that they were the manufacturers of the sanatogen they sold. It would be no good entering into explanations with the purchaser.

The Comptroller: Suppose the supply was entirely stopped owing to the war, and the public were told that it could not be supplied. Would anyone be damaged by that?

Mr. Kerly contended that the argument was fallacious, because the manufacture is continued in this country and the revenue from the sale continues to accrue to the enemy. The Legislature might have made it a crime to sell any goods under names registered by aliens, but preferred to take the course of transferring the rights in the marks. Messrs. Callard would be put to expense in plant, packages, labels, and advertising, so that if the manufacture is thrown open to all applicants the remuneration would be smaller. He added that the sale of sanatogen is very large, and, although Wülfig has a factory at Penzance, the bulk of the sales have come from Berlin. Moreover, the money would go to the enemy.

The Comptroller: We must assume that any treasonable action would be dealt with by the law of the land. The object of the Act is to foster and encourage trade which would otherwise languish owing to lack of material. The trade-mark only comes into the Act because it would have been impossible to have granted the use of patents without the name by which they are known.

Mr. Kerly: One of the objects of the Act is to prevent money going to aliens.

Mr. Colefax: My clients spend over 6,000*l.* a year in buying milk in Cornwall. The Act was not intended for the private advantage of private individuals.

Mr. Kerly contended that it is in the interests of the country that his clients should be allowed to make the food.

At this stage further argument took place regarding the standing of Mr. Colefax as representing an alien enemy. The Comptroller said they were really engaged on an inquiry for the Board of Trade, and should have all the facts before them.

Mr. Gray: We are bound to doubt the word of an alien

enemy. It does not follow that because the alien enemy can give information he should be heard.

Sir Cornelius Dalton: You would not have us send in a one-sided report to the Board of Trade?

The Comptroller: You had better tell us what your position is, Mr. Colefax.

Mr. Colefax then stated that Von Wülfing is a German subject carrying on business in this country. He called as a witness the manager of the business.

Mr. Max Müller, examined, said he had been with A. Wülfing & Co. since 1903. There is no partner in this country, but Von Wülfing's son was in court. The firm has a licence from the Home Office to store ether and alcohol, but not permission to carry on business. Sanatogen is made in this country, and milk is bought in Cornwall to the extent of 7,000/ a year, and the glycerophosphates required are purchased in this country. The firm employs 237 people in England. More than sufficient to meet the demands of this country is being made, and there is three months' supply in hand. Many similar combinations are sold under other names, one by Callard, Stewart & Watt being called "Cabroma." The firm has applied to the Home Office for permission to trade in this country.

Mr. Kerly, cross-examining witness, brought out that he is a German, but has applied for naturalisation. He has not served in the German army. Von Wülfing receives all the profits from the sale of sanatogen. No money has been remitted to him since the war began.

Mr. Gray: If Wülfing instructed you to stop making, you would have to do so? Witness: I hold a power of attorney from Von Wülfing.

Mr. Gray: A useless document now. Further questions were directed as to the financing of the business and the period within which sanatogen has been made in this country. The manufacture here was begun in 1903, but it is necessary that small quantities of casein should be imported during the winter, when it is difficult to obtain sufficient skimmed milk.

Sir Cornelius Dalton: Is there any sanatogen imported from abroad? Witness: About a third of the quantity required for the demand in this country is imported. There are large stocks in the Colonies.

The Comptroller: I can now say that we are not able to shut out Mr. Colefax's evidence, as it will be necessary to bring all the facts before the Board of Trade.

Mr. Kerly said he was prepared to call witnesses as to the ability of his clients to manufacture the food. Messrs. Callard already make many special diabetic foods.

Mr. Gray then addressed the Court, contending again that sanatogen is a patented article with a name attached, and the public will have it under that name. He then placed in the box the second applicant.

Mr. John Erbert Griffiths, who said he is a consulting and experimental chemist, and sold a business he had formerly to Lewis & Burrows. He had no business premises only a laboratory. He had analysed sanatogen and several other products of the same kind, and in consequence is prepared to manufacture sanatogen. He has had a capital of 10,000/ guaranteed for the purpose.

Mr. Colefax cross-examined witness regarding a business he carried on at Watford, and Mr. Griffiths said it would be necessary for him to refresh his memory regarding the shares he held in that concern. At present he is interested in a patent brace. Then, addressing the Court, Mr. Colefax made the announcement that sanatogen is not a patented article, and never has been. The patent referred to is only concerned with a stage of the manufacture. No money from the sale goes to an alien enemy, and his clients are willing to allow the Courts to decide what should be done with the profits made during the war. It is anticipated that a licence to trade will be granted by the Home Office in due course.

Sir Cornelius Dalton asked some questions regarding the patents referred to by other applicants, especially the one with the title "Manufacture of Albumen Preparations."

Mr. Colefax said the patents are not concerned with sanatogen as a whole.

Mr. Gray: It states on the package that sanatogen is "manufactured under letters patent."

Mr. Colefax: My clients use the trade-mark in connection with something that comes within the purview of the patent.

Mr. Gray: If one of the articles in the patent is that to which the name sanatogen is applied, it is a patented article.

Mr. Kerly: A patented article is a new article that gets a name, and that name becomes public property when the patent expires.

This concluded the case.

Pebeco.

On September 24, Mr. Ricardo, for Boulton-Macro, Ltd., applied for the suspension of the trade-mark "Pebeco" (313,005), the registered owners of which are P. Beiersdorf &

Co., Hamburg. He said that the trade-mark is applied to a tooth-paste made from a formula of Unna. Is is an article in great demand, and if applicants were allowed to make it during the continuance of the war it would cause the employment of a number of additional people. In reply to the Comptroller, Mr. Ricardo said the exact formula had been devised after analysis.

Mr. Clarke, who appeared for Messrs. Beiersdorf, called attention to the fact that the application was to suspend the trade-mark "Pebeco," whereas his clients' tooth-paste was called "Pebeco."

Mr. Ricardo pointed out that it is the registered trade-mark that protects the word "Pebeco," otherwise there would be no difficulty in using "Pebeco."

The Comptroller: The view that occurs to me is that if you get permission to use "Pebeco," you will be reserving the trade against the time when the war is over. Would it not be better for British trade to cut it out by a new tooth-paste of your own?

Mr. Clarke said the importation has not been suspended. The product is obtained from the United States, and arrangements are being made for making it in this country.

The Comptroller (to applicant): Is Pebeco really of such surpassing value that people cannot go on without it?

Mr. Ricardo: It would inconvenience the public not to be able to obtain what they have been accustomed to get. If his clients were allowed to make Pebeco it would increase direct employment, and also indirectly in requiring tubes, labels, and cartons for packing.

Mr. Clarke: Such a course would expose the public to the possibility of being deceived. My clients can still supply.

The Comptroller: You know we ought not to have any dealings with the alien enemy at all.

Sir Cornelius Dalton: It is stated on the label that Pebeco is made in Hamburg.

Mr. Ricardo then went over the grounds of the application, and put in a sworn statement by the managing director of Boulton-Macro, Ltd. This contained an offer to pay royalties if the Board of Trade so desired.

Mr. M. Salamon, B.Sc., the managing director referred to, then went into the witness-chair, and stated that his company employs about fifty people. Some questions were then asked regarding the composition, and witness said he was satisfied that he could produce the same article. Asked by the Comptroller how it is that Beiersdorf & Co. have obtained such a large sale for their preparation, witness said it is largely a question of raw materials and the cheaper labour obtainable in Germany.

Sir Cornelius Dalton inquired regarding the statement on the label that the paste is made according to Unna's formula, and witness pointed out that the formula given under this name in a German dental work would not produce the same article as Pebeco. Potassium chlorate is the main constituent.

Mr. Clarke said that Pebeco was made from a special formula supplied by Unna, who supervised the manufacture.

Mr. Hartmann, the London manager for P. Beiersdorf & Co., then gave evidence. He said that it was intended to make the paste here. If the case goes against the firm it will lead to the closing of the London office.

The Comptroller: You know you cannot import from Germany without leave, nor can you transmit profits to Germany.

Mr. Hartmann: The profits are required to keep things going. There are, in fact, no profits at the present time, owing to the expenses of advertising. The arrangement with the Hamburg house is that the goods should be paid for, and that the London house should bear the expenses of selling them.

Sir Cornelius Dalton: Why do you call it "Pebeco" when the mark is "Pebeco"? Witness: There was some objection to Pebeco as being an indication of the firm's name.

Cross-examined by Mr. Ricardo, witness said he had obtained a stock from Lehn & Fink, of New York, since the war began. That firm makes it for the proprietors. He admitted that advertisements were intended to improve the goodwill of the business, and stated that the only step he had taken regarding the manufacture in this country, was to obtain quotations for the materials.

The Comptroller pointed out that the manufacture could only be undertaken by licence of the Board of Trade, who would have to look after the profits.

Mr. Clarke said if applicants made the preparation it would injure his clients' reputation.

The Comptroller: Is it quite a British way of doing this, to take the property which an alien enemy has built up?

Mr. Ricardo contended that one of the intentions of the Act was to confiscate aliens' property during the war.

Mr. Clarke, in reply to Sir Cornelius Dalton, who wished

him to suggest conditions which the Board of Trade could impose, asked that the permission should cease after the war, and that his clients should supervise the manufacture, as the process is more important than the formula. He admitted, however, that the last was a request which could hardly be granted.

Mr. Ricardo, in reply to Sir Cornelius, promised to submit the proposed labels to the Comptroller and also to Messrs. Beiersdorf, although he was afraid he should not be able to satisfy the latter.

Aspirin.

In the afternoon, Mr. Neal, on behalf of Mr. I. A. Keene, 26 High Holborn, London, W.C., applied for the suspension of the trade-mark "Aspirin" (221,673), belonging to Bayer, Elberfeld. He said that aspirin is acetyl-salicylic acid, and is made by one firm in Germany. A patent for aspirin was declared invalid in 1905. His client is desirous of making the chemical in this country, but it would not be worth while setting up expensive plant unless the product could be sold under the name "Aspirin." The capital is available for the manufacture.

Some discussion then took place regarding the trade-mark in question, as it appears that there is another mark (322,523) standing in the name of Bayer & Co., Ltd. Mr. Neal expressed the opinion that it would be sufficient for his client's purpose to have the use of the one owned by the German firm.

The Comptroller: These double registrations raise very interesting points, as really there should not be two identical marks on the register.

Mr. Neal, continuing, said the German company is an alien enemy within the meaning of the new Act. The Act also contemplated a commercial war if it is carried on fairly and justly. There is a short supply of the drug. He added that he could not make out why the name is on the register at all.

The Comptroller: It is curious that the name remained on. I am astonished that no British trader popularises a name for this drug.

Mr. I. A. Keene, in the witness-chair, said he is an American citizen, but all his employees are British. His firm has paid the Government 20,000*l.* in duties. He considered there is value in the trade-mark "Aspirin" as applied to acetyl-salicylic acid.

Mr. Colefax, who represented Bayer & Co., Ltd., cross-examined witness as to what goods he sells at present, and as to his chemical knowledge. Witness said his chemist assures him that there would be no difficulty in making aspirin. Mr. Colefax produced the advertisements from THE CHEMIST AND DRUGGIST of W. J. Bush & Co., Ltd., to show that acetyl-salicylic acid is being made here, and that other makers, such as A. H. Cox & Co., Ltd., Burroughs Wellcome & Co., use special names for acetyl-salicylic acid. He contended that there is plenty of the drug in this country in tablet form, although the supply of powder is running short. The raw materials cannot be readily obtained in this country, but the Bayer Co. has made arrangements so that aspirin will be made at the Mersey Chemical-works exactly as it is made at Elberfeld. There is six months' supply of the drug in this country.

Mr. Alexander, manager of the Bayer Co., Ltd., Manchester, gave evidence as to the supply. He said that the company was incorporated in 1895 to take over a business which witness had. The aspirin tablets are made here, and there is six months' supply in hand. In regard to the powder, there is six months' supply for meeting the demands of doctors' prescriptions. Permission to compress aspirin must be obtained and an undertaking given that the aspirin would be bought from his company. Salicylic acid is not obtainable in this country, but Bayer's have a large supply. Acetic anhydride can only be had at an exaggerated price, but steps have been taken to obtain it in quantity. The Government Committee on Drugs has already approached his company regarding the manufacture of aspirin.

Cross-examined, witness said he is a chemical-broker and drysalter, and that the whole of Bayer's business in this country is done through him. The name "Aspirin" has been made known at a great expense, but far more is sold under its technical name. The raw products for the manufacture of aspirin are made in Switzerland. His company intend employing the Mersey Chemical Co. to convert the salicylic acid they have into aspirin. The price has not been changed. It is intended also to manufacture salicylic acid.

Mr. Colefax, in summing up, claimed that the Keene Co. has had no experience in the manufacture of fine chemicals. It would not be in the interests of the public that the manufacture should be entrusted to them. There are many other names under which acetyl-salicylic acid is known and sold.

The Comptroller: One difficulty is that aspirin is not always sold by Bayer. It is sold by Burroughs Wellcome & Co. without any indication as to the maker.

Mr. Alexander explained that Burroughs Wellcome & Co. is the only firm that has the right to withhold Bayer's name from the label.

The Comptroller said the company must be treated exactly as an English firm, and if they have ample supplies there can be no shortage.

Mr. Neal pointed out that it would take some months to erect the plant, and that if the war is a long one there would be no aspirin obtainable.

The Comptroller: If the chemical had never been called by any other name it would be different.

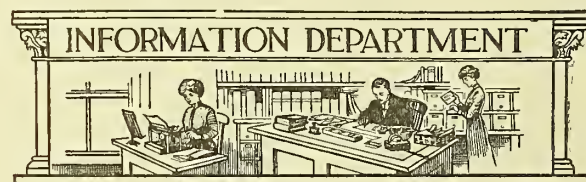
Formamint.

Mr. Gray then applied, on behalf of Mr. J. E. Griffiths, Sheen, S.W., for suspension of the trade-mark "Formamint" (No. 264,704), owned by Luthi & Buhtz, Berlin. Mr. Colefax appeared for the registered owners, and Mr. Griffiths gave evidence. The proceedings lasted fully an hour, and closed in the same manner as the other cases. We reserve our fuller report—*i.e.*, the Board of Trade will decide the matter.

OTHER ALIEN MARKS APPLIED FOR.

Notice of the following applications to avoid or suspend the registration of trade-marks is given in the "Trade-marks Journal," September 23. R.O. means registered owner; Ap., applicant. The date of hearing is given last:

"LYSOL," 98,948 and 98,947 (device). R.O., Schülke & Mayr. Ap., Pearson's Antiseptic Co., Ltd.; and as regards 98,947 Robinson Bros., Ltd. October 1.
 "GALALITH," 234,869. R.O., Internationale Galalith-Ges. Hoff & Cie. Ap., M. Isaacs. October 2.
 "PEROLIN," 300,159. R.O., Briek, Vienna. Ap., British Perolin Co., Ltd. October 2.
 "ADUROL," 213,062. R.O., E. Schering. Ap., Johnson & Sons (Manufacturing Chemists), Ltd. October 6.
 "GLYCIN," 222,387, and "METOL," 222,388. R.O., J. Hauff & Co. Ap., Johnson & Sons (Manufacturing Chemists), Ltd. October 6.
 "SEIRALETTE" and design, 332,819. R.O., Thieme, Zeitz. Ap., Booth & Co. October 6.
 "MUSHROOM" and design, 339,001. R.O., Thieme, Zeitz. Ap., Booth & Co. October 6.



Postal Address:

C. & D. INFORMATION DEPARTMENT, 42 Cannon Street, London, E.C.

Telegraphic Address: "CHEMICUS CANNON LONDON" (two words).

Telephone Number: BANK 852 (two lines).

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated. Please address us as above:

- | | |
|---|--|
| 93/44. Stuart's Rupture-cure. | 85/17. "Hola" court-plaster. |
| 91/56. "Oxygala" (Getzel). | 100/21. "Chaussarte Portative" |
| 94/60. "German Crystal Sugar" (for diabetes). | (foot-warmer, metal). |
| 94/50. Malto-Guaiaecol: supply. | 100/210. Glass linings for douche cans. |
| 97/35. "Granatine": supply. | 100/19. Kann's oxygen apparatus. |
| 97/350. Kidson's Ointment: suppliers. | 94/48. Calcium metal: British makers. |
| 91/44. Formaldehyde (Canadian or American makers). | 91/33. "Coccons": supply. |
| 93/37. English aconite-root: supply. | 85/29. "Alaska" nail-polish. |
| 95/65. B.P. petroleum oil: British refiners. | 78/74. Hamilton James & Co.'s "Laxative fig chocolates." |
| 96/38. Soap-paper: British makers or supply. | 79/24. Sodamine. |
| 84/52. "Atkinson" soda-fountain. | 71/74. "Crispus" toilet-paper. |
| 85/19. Glass-tube drawers (for chemical glassware). | 83/65. "Blue Gum" asthma-cure. |
| 92/15. Wilson's Liver Salt. | 100/26. Barrager's "Japanese Skin Cream." |
| 92/37. Leeches: supply. | 100/27. Synthetic Sugar Syndicate: address. |
| 93/17. Marshall's "Scotch Gall Cure." | 100/70. "Gallsieh Cure." |
| 101/57. "Pepopancrean." | 100/701. Bona's corn-leaf. |
| | 100/702. "Nutrine" food. |
| | 100/703. Mühlen's (not Mennen's) talcum powder. |

CHINESE CAMPHOR.—During 1913 the exports from Foochow amounted to 207 piculs, against 179 piculs in 1912 and 559 piculs in 1911.

OBSERVATIONS AND REFLECTIONS.

By Xrayser II.

The Word "Enemy"

used as an adjective, as in your leader of last week on trading with the enemy, is the subject of an inquiry addressed to me privately: Is it correct or not? It is quite correct, and though never very common in English it is an old usage and in strict accordance with the etymology of the word, *inimicus* being in Latin, and *ennemi* in French, both a substantive and an adjective. In English it is not always possible to say whether when apparently used as an adjective "enemy" is not really a substantive used attributively—as, for instance, in "Gulliver's Travels," where we read, "Some evil genius, enemy to mankind"; but its use as an undoubted adjective is as old as Wiclif's Bible. It has been very common in the newspapers since the war broke out.

The Prince of Wales' Fund,

which, I am glad to see, is mounting steadily, will be needed, every penny of it, before the war is over unless something dramatic and entirely unlooked-for happens, but surely it cannot be put to a better use than to provide drugs and medical appliances free to the dependants of those who are fighting for us on land and sea. So far as chemists are concerned I am certain that the scheme set on foot by the President of the Pharmaceutical Society will be accepted with the utmost good will. It seems to me, however, that the scheme is being rushed through at a needlessly rapid rate. Judging from your article on the subject it looks as if no chemist would be allowed to come in unless his name was sent in by Wednesday, September 23. When we consider how difficult it is to get a new scheme placed before those interested so that they can understand and appreciate what is proposed, it can well be believed that a very large proportion of the trade has not yet made up its mind on the subject. Further, the method proposed for dealing with the question might well have been further discussed, for I am not sure that it is not going to lead to overlapping, and we all know that the less this is encouraged the better.

The Reduction of Fines

by the Lord Lieutenant of Ireland in certain cases where convictions were obtained at the instance of the Pharmaceutical Society is a real injustice, and I trust that the Council will keep the subject well to the front. The case cited by Mr. Wells, where a woman lost her life owing to the illegal sale of poison, and where the penalty was subsequently reduced to 10s., is a public scandal. Apart from the leniency with which those who break the law are treated, it is intolerable that those who administer the law should be required to do so at enormous expense. Whether the proposal to hand over the prosecution of such cases to "The Castle" would mend matters is very doubtful, as it is more than likely that half the cases would never be taken up. If Mr. Wells' statement that the aim of the police is to live in peace and harmony with the people around them be true, we can understand the reason for the action or inaction of "The Castle," but in such a case where do "law and order" come in? Why have police at all if wrongdoers are not to be punished?

The Compilers

of the next U.S.P. are apparently not going to be frightened off the field of animal medicine, as, I understand, the General Medical Council have been in this country. It has usually been found in the past that the "abstracts of proposed changes" issued by the Board of Trustees of the United States Pharmacopœia Convention have been followed by official sanction, and therefore I assume that the statement issued in the "Journal of the American Pharmaceutical Association"

is simply an anticipation of what will in due course become an accomplished fact. This will mean not only the addition of more serums and some other animal products to the Pharmacopœia, but it carries still further the idea of testing these products by experiments on animals. I do not know why our G.M.C. have resisted the introduction of these products, but I have heard it whispered that they are afraid of an outcry by anti-vivisectors. If this be so it is time this matter were fought to a finish, otherwise the medical profession will find itself face to face with an impossible situation.

A Recent Question in "Notes and Queries"

respecting the medicinal uses of the octopus, Venus's ear, and whelk, has elicited much curious information from various sources, some of which is new to me. All three of these creatures of the sea had a place in one or other of our European Dispensatories, they are all in Lemery, and the whelk was at one time official in England, but only the octopus (cuttlefish) is now of any practical importance. The use of os sepie as a tooth-powder is of very old date; it occurs in a prescription for a dentifrice written for Octavia, sister of the Emperor Augustus. It was also used as a styptic, and as a specific for polypus in the nose—a curious sort of anticipation of Hahnemann's theory! The flesh of the octopus was recommended for colic, and in China as a tonic. A Japanese correspondent says the *Iidako*, or "boiled-rice octopus," is still eaten by vulgarians with this intention, and though some species are poisonous, others are used as remedies for phlegmatic diseases of the chest. The Venus's ear is in China applied in powder to the eye for several diseases of that organ, and is taken internally for gonorrhœa and fevers.

CORNER FOR STUDENTS.

Conducted by Leonard Dobbin, Ph.D.

All communications for this section should be addressed thus: "Corner for Students, 'The Chemist and Druggist,' 42 Cannon Street, London, E.C."

QUALITATIVE ANALYSIS FOR JUNIOR STUDENTS.

A MIXTURE of not more than three salts will form the subject of the next exercise in qualitative analysis. The mixture will comprise acids and inorganic bases occurring in the British Pharmacopœia, and is to be submitted to a thorough systematic examination, all its constituents are to be detected, and proof is to be given that the substances detected are the only constituents of the mixture. Students' applications for portions of the mixture of salts (accompanied by a stamped and addressed envelope, marked "Corner for Students" on the top left-hand corner) will be received up to Tuesday, September 29, on which day the samples will be posted.

Students' reports will be received up to Saturday, October 10. Each report should contain a concise account of the work done, and should include a list of the constituents detected. In this list any substance regarded as an accidental impurity should be distinguished from the essential constituents of the salts composing the mixture.

SPECIAL NOTICE.—The prizes in this series of analyses will be awarded only to apprentices or assistants who are preparing for the Qualifying examination of the Pharmaceutical Society of Great Britain or of Ireland, which fact must be attested on their reports. Others may obtain specimens of the mixture of salts, and their reports will be separately adjudicated, but they will be regarded as *hors concours*. Correspondents who do not state that they are preparing for a qualifying examination will be included in the latter list.

Particulars as to the Analytical Tournament for the ensuing Winter Session will be given in our issue for October 24.

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Editorial Articles.

Wood Products.

SOURCES of supply are not a matter about which many consumers bother themselves. Even some buyers give the matter little thought until supplies run short and prices go up. The European war has been an awakening to the fact that hitherto we have relied upon the Continent for too many things. Among these are the products of the destructive distillation of wood, such as acetone, acetic acid and acetates, wood naphtha, and formaldehyde. At one time wood-distilling was a fair home industry, and the war is reviving interest in it. The Government were the first to anticipate the probable effects of the disturbance of peace, and erected in the Forest of Dean a factory which was at one time supposed to have been solely for the purpose of making the acetone required by the Government explosive-factories as a solvent, but it soon transpired that it was cheaper to buy acetone in the open market. Consequently the factory which commenced operations a year ago, and which cost 15,000*l.* to build and equip, was fitted with apparatus and machinery for producing by the Meyer process grey acetate of lime, charcoal, wood spirit, and tar. The acetone plant was not laid down. In times of peace the Government's purchases of acetone are valued at 32,000*l.* At present the supplies of this product are being obtained from Canada and the United States. We presume that the future of this supply must be seriously considered by the Government. We are pleased to note that there has been a large volume of commercial inquiry through our Information Department during the past month in regard to the manufacture of wood products, and we may repeat some of the facts which we have given to inquirers. The Board of Agriculture had much to do with the preliminary investigations which resulted in the establishment of the works in the Forest of Dean, where large quantities of almost unmarketable cordwood and small branchwood are available, and the utilisation of this was the primary object of the establishment of the factory. The apparatus and machinery in the factory were supplied by a German firm, but the engine, boiler, and principal non-patented apparatus were constructed by a well-known English engineering firm, to whom we are indebted for much useful information on the subject. Until recently a German was in charge of the Government works, but we presume that this is no longer the case. We have reason to believe that British firms would have little difficulty in supplying the entire plant required for the process; indeed, a North of England firm have informed us that they are at present construct-

ing a wood-distilling plant for the Forestry Department of the Durham University at Newcastle-on-Tyne. We trust that as a result of the present inquiries this old British industry will be thoroughly re-established. In the British markets alone the demand for glacial acetic acid, formaldehyde, wood spirit and methyl alcohol, and for wood products is large, and is likely to continue.

Insurance Act Prescribing.

THE memorandum issued by the Insurance Commissioners, England, to Insurance Committees on the supply of drugs and appliances, to which full reference was made in our pages last week, has come not too soon, especially to chemists in London, who cannot regard with equanimity the report of the Insurance Committee submitted this week (see p. 80). London chemists are aware that some panel doctors prescribe in the most extravagant fashion, and that the vagaries of London prescribers are as thoughtless as those examples which we have hitherto published from the provinces, frequency of prescribing, excessive quantities, and costly things being among the faults of some London panel doctors. As to the last-mentioned fault, we may recall the fact that the Insurance Committee was asked a few months ago to issue to the doctors a list of proprietary articles which they should not prescribe. The matter was deferred, and it was just as well, for the Commissioners state very clearly that Insurance Committees should not issue lists that ban anything that is provided by the Act and regulations. Panel Committees may prepare such lists and issue them subject to Insurance Committees' approval. Apart from this clearing of the path, the memorandum recognises that economy in prescribing is virtually the only remedy for the undue depletion of the Drug Fund, and, as things stand, it rests with the Pharmaceutical Committees to set in motion the machinery by which economy can be enforced. It is true that Panel Committees may, if they choose, take the initiative, but as they are not responsible for the disbursement of the money and have no direct interest to serve by acting, this possibility is negligible. As a rule they will not act unless required to do so, and until they do act the Insurance Committee cannot. The spark must be applied by Pharmaceutical Committees if the machine is to move. But the interest of chemists and that of the profession represented by the Panel Committees, if not antagonistic, are at least different, and the necessity of chemists acting through these Committees might cause friction—the very thing to be avoided, as much as possible, in all machinery. Hence the desirability of some such arrangement as the Commissioners recommend: "the simultaneous performance of the necessary checking by a single staff under the joint control of the three Committees." This ought, indeed, to be made obligatory, in place of the cumbrous and involved method of Article 40 of the Medical Benefit Regulations, which in practice is almost unworkable. If this system of "normal continuous checking" were universally adopted (it has been tried with excellent results in several places), the difficulties under which panel chemists are labouring would probably disappear, and would certainly be much lessened. A necessary corollary to it is prompt rendering of accounts by chemists; but that and the checking do not contribute to discounting, which is due chiefly to extravagant prescribing—a fact which should be kept in prominence.

Followers of the Kaiser.

ONE of the first principles in science is to ascertain all the facts before coming to a conclusion. This has been ignored by the German professors who have renounced their British distinctions and titles, as reported in the *C. & D.*, September 19, p. 35. The declaration which they have signed is as follows:

"Under a trifling pretext, which is not at all justified by its own history, and the real nature of which is shown by several documents, England has made war upon us. Envious of Germany's commercial and industrial success, England, which is related to us by ties of kindred and race, has incited the nations against us for several years, and has particularly entered into relations with Russia and France in order to annihilate our position in the world and our civilisation. Only in reliance upon England's help, Russia, France, Belgium, and Japan could throw down the glove to us; therefore England has the moral responsibility for having set the world on fire, for the misfortune which has befallen millions of persons, and for all sacrifices which will have to be made and have been made already, England's brutal national egoism has brought down upon it a guilt which can never be eradicated."

Among the signatories of this extraordinary document are several who have been honoured by British societies and medical organisations, as well as by universities in the United Kingdom, including:

Emil von Behring (Marburg), Moritz v. Cantor (Heidelberg), Vincenz Czerny (Heidelberg), Alfred von Domaszewsky (Heidelberg), Paul Ehrlich (Frankfurt), Wilhelm Erb (Heidelberg), Rudolf Eucken (Jena), Wilhelm Alexander Freund (Berlin), Max Fürbringer (Heidelberg), Ernst Haeckel (Jena), Engelbert Humpferdick (Berlin), Josef Kohler (Berlin), Leo Königsberger (Heidelberg), Willy Kükenenthal (Breslau), Paul Laband (Strassburg), Philipp Lenard (Heidelberg), Max Liebermann (Berlin), Franz von Liszt (Berlin), Hermann Oppenheim (Berlin), Wilhelm Rein (Jena), Jacob Rieser (Berlin), Fritz Schöper (Berlin), Otto von Schjerning (Grosses Hauptquartier), Gustav Schwalbe (Strassburg), Rudolf Sturm (Breslau), Adolf Wagner (Berlin), August Weismann (Freiburg), Anton von Werner (Berlin), Wilhelm Wunot (Leipzig), and Rudolf Kobert (Rostock).

The last-named is a corresponding member of the Pharmaceutical Society of Great Britain. We presume that all British bodies who have honoured these persons will note the declaration, and in consequence of its terms, by resolution remove the names from their rolls. We also observe that Professor Ernst Schmidt, Marburg, upon whom the Pharmaceutical Society of Great Britain conferred the Hanbury Medal in 1905, has put the medal at the disposal of the German Red Cross Society because the gold it is made of is valued at 500 marks (25*l.*) Professor Schmidt is also an honorary member of the Pharmaceutical Society, but did not sign the declaration from which we have quoted—indeed, a number of notable German scientists, including Bernstein, strongly disapprove of the action of the Von Behring-Kobert group, and a wordy war is going on in consequence. Nevertheless this does not mitigate the insult which those individuals who signed the declaration have done to British bodies with which they are connected, and that connection should be completely severed forthwith. This needs no argument: it is the obvious and only thing to do.

The British Pharmacopœia.

THE Treasury has approved the proposed price of 10*s.* 6*d.* per copy of the British Pharmacopœia 1914. The Executive Committee which met on September 15 received a report by the Registrar on the postponement of the publication of the work. The reasons for the delay have been stated in *THE CHEMIST AND DRUGGIST*, but we note that there has been a difficulty in the preparation of the covers of the work as the strawboard and gold leaf are largely imported from Germany. The publishers

hope, however, to be able to bind the first 20,000 copies as originally arranged. The Executive Committee thereupon decided that copies of the work shall be placed for the inspection of the public at the Registrar's offices in London, Edinburgh, and Dublin on October 1, and that the Registrar be authorised to insert the statutory notices of publication in the Official Gazettes on December 31. It cannot be said that as regards the drug-trade the situation has improved in any particular from what it was on August 10, but it is possible that what now influences the Committee is that the work being dated 1914 should be published this year.

Water-sterilisation.

DR. SIMS WOODHEAD published in the medical journals particulars of a method he has devised for sterilising water-supplies for troops on active service. He employs bleaching-powder as the sterilising agent, and tests whether sufficient has been employed by means of potassium iodide and starch. A chart has been prepared giving simple directions for using the test so that it can be carried out by untrained persons. A series of seven Service mugs and a pipette holding 0.15 c.c. are employed. It is stated that the amount of bleaching-powder required to render the water safe for drinking-purposes may be determined in twenty minutes. The purpose of the potassium iodide and starch is to indicate by the well-known blue colour that develops whether an excess of chlorine remains in the water while employing the minimum amount of bleaching-powder. Messrs. Parke, Davis & Co. have worked out the details of the testing outfit.

Thymol.

SINCE its introduction, the use of thymol in pharmacy and medicine has become so popular that the makers and users of such preparations in which it is employed find themselves at a loss, now that the source of supplies has been cut off; but there is no reason why thymol should not be manufactured in this country. The chief raw material is ajowan-seed, for which India is the only source of supply. Hitherto Germany has absorbed practically all the exports of the seed direct, as the following figures show:

	1908-9	1909-10	1910-11	1911-12	1912-13
To	Cwt.	Cwt.	Cwt.	Cwt.	Cwt.
Germany ...	6,792	39,022	12,353	14,210	19,055
Other countries ...	2,180	7,632	443	1,305	2,595
	8,972	46,654	12,796	15,515	21,650

It will be seen the exports during 1912-13 were the largest for the past three years. As regards the extent of crops, it is difficult to obtain trustworthy information. The manufacture in Germany has been marked at times by very keen competition, especially among the Hamburg makers, and has frequently been unremunerative. About two years ago thymol was selling at below 4s. per lb., whereas to-day the value is about 40s. per lb., with practically none available.

SOYA-BEAN OIL.—Since the outbreak of war several large shipments of soya-beans, including 100,000 bags from Vladivostok, have reached this country for the purpose of extracting the oil. Hitherto Germany has imported considerable quantities direct from Manchuria, the Stettiner Oelwerke A.G., of Stettin, alone importing about 45,000 metric tons in 1913. H.M. Consul at Stettin states that after many experiments this firm has succeeded by a process of neutralisation, decoloration, etc., in refining the raw oil to such an extent that it is now largely used in Germany, instead of the more expensive cottonseed oil, in the manufacture of margarine and edible fats. In West Germany it is also used as salad oil. Through the success of the above-mentioned method of rendering the oil palatable the firm enjoys the protection of the higher duties imposed on edible oils.

How Cotton-wool is Made.

IN addition to the normal requirements for hospital and domestic purposes, the war has created an unprecedented demand for absorbent cotton-wool. The home and Colonial market has hitherto been partly supplied by importations from Germany and the Continent, but, this source of supply being closed, manufacturers in this country have experienced a demand which in some cases they are unable to cope with. We have had inquiries from persons desirous of starting the manufacture, and

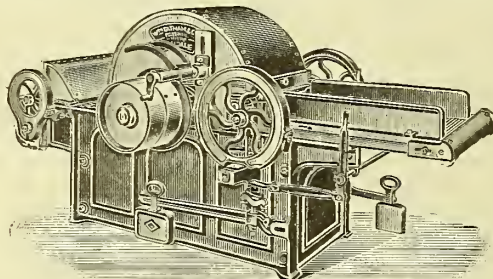


FIG. 1.—PICKERING MACHINE.

have obtained particulars of the modern processes from Messrs. Wm. Tatham, Ltd., Rochdale, who specialise in the plant for making cotton-wool.

Absorbent cotton-wool is usually made from a grade of cotton-waste known as "linters," consisting of short cotton fibres which are a residue of the "ginning" process of separating the seed from the cotton. The material, as it arrives in this country in bales, is in a more or less matted condition. It is first passed through a willowing-machine, which loosens the fibres, removes a great portion of the shell and chip from the fibres, and prepares the material for the process of washing, bleaching, and rendering anti-septic. There are firms in this country who make a speciality of the washing and bleaching process, and who can supply unlimited quantities of the material ready for the manufacturers, so that it is not necessary to deal here with that part of the process. When received from the bleachers the material is in a more or less matted condition, and to prepare it for carding it is first passed through a Pickering machine of one cylinder (fig. 1). The material is fed by hand on to a travelling lattice and conveyed to a set of fluted feed-rollers, which present the

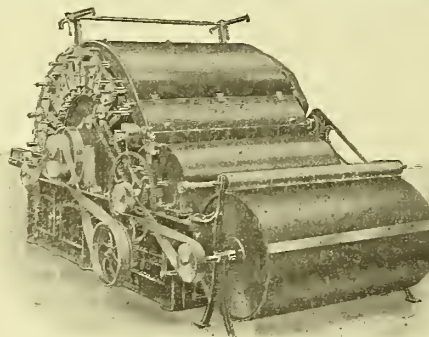


FIG. 2.—ROLLER AND CLEARER CARDING-ENGINE WITH FLEECE-DRUM.

material to the action of a cylinder covered with steel teeth; this cylinder, revolving in a downward direction, combs out and delivers the material in a loose condition ready for carding. The carding-engine (fig. 2) used is the roller and clearer type, with certain modifications to suit the short-stapled cotton. The function of this machine is to card the material so that the fibres are all laid parallel to each other, at the same time removing any shell or foreign matter. The carded material leaves this machine in a very thin web or fleece, and in order to

obtain the required thickness it is necessary for numerous layers of the fleece to be added together; this is accomplished by means of a wood fleece-drum at the back of the carding-engine. As the web is stripped from the carding-engine it is wound round the fleece-drum. Layer on layer is added until the desired thickness is obtained; the web is then cut across and removed from the fleece-drum in a sheet 7 ft. 6 in. long and about 40 in. or 48 in. wide, according to the width of the carding-engine. For convenience in handling, absorbent cotton-wool is put up in the form of a roll, usually with a sheet of paper inserted between the layers. To accomplish this a wadding rolling or winding machine is used (see fig. 3).

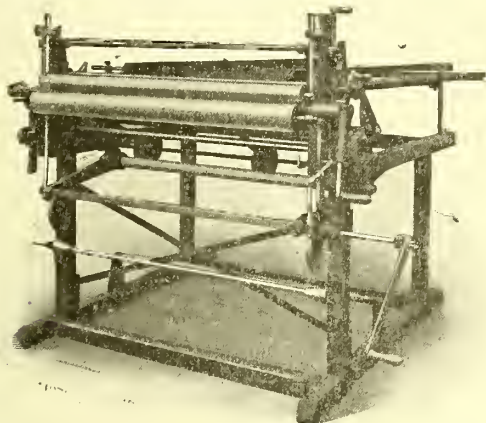


FIG. 3.—ROLLING OR WINDING MACHINE.

The sheet of absorbent cotton is laid on the table of the machine, the sides being adjustable to suit various widths of material. It is passed between a pair of iron calender-rollers to the lap-rod; the latter is made in two halves, between which the edge of the wadding is inserted. By turning the handle attached to the lap-rod the roll is wound between two iron winding-rollers and an iron compression-roller. As the roll becomes larger in diameter the compression-roller lifts vertically, maintaining a constant pressure, thus ensuring even rolling and preventing distortion of the sheets. The paper insertion is fed from a roll of paper placed under the machine, and when the

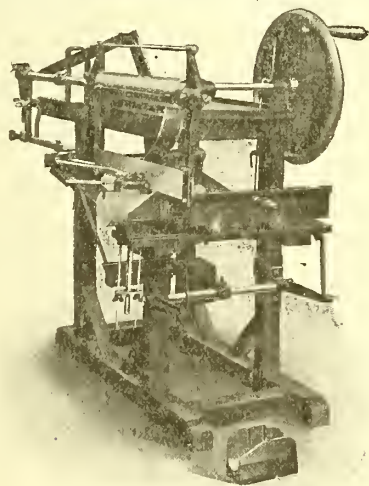


FIG. 4.—ROLL-CUTTING MACHINE.

required diameter of roll is obtained the paper is cut by a knife operated by a lever; the roll is then ready to be removed from the lap-rod. By this machine rolls can be made of various diameters up to 6 in. The final operation is to cut the rolls into suitable lengths for retail; 12 in. is the usual length. For this purpose the roll-cutting

machine (fig. 4) is used. The roll to be cut is placed in a sheet-metal support or holder, by which it is firmly held while being cut by a reciprocating horizontal knife, the holder being slotted to give access to the knife-blade. As the roll is being cut the support or holder which carries it lifts vertically by means of a lever and weight, which can be readily adjusted to maintain the required pressure against the knife-blade. An adjustable measuring-scale is provided to enable repetition rolls of equal length to be cut. For each diameter of roll an additional holder is required, these being supplied from 1½ in. up to 6 in. diameter. The machine can also be arranged to cut bandages into narrow widths by removing the single holder shown in illustration and substituting a special holder mounted upon a table and arranged for holding several rolls up to about 5 in. diameter at the same time, which can be cut simultaneously into bandages any width. In another article we propose to deal with the methods of making antiseptic dressings.

SCIENTIFIC PROGRESS.

Temperatures under this heading are on the Centigrade scale

Detection of Cocaine.—G. Denigès ("Bull. Soc. Pharm. Bordeaux," 52, p. 335) states that if a 0.5-per-cent. solution of a cocaine salt be treated with an equal volume of a 5-per-cent. solution of sodium perchlorate a precipitate composed of long, very fine needles is formed; with very small quantities the precipitate may be observed under the microscope.

Chlorates in Potassium Carbonate.—W. Kohen ("Chem. Zeit.," 1914, 38, p. 898) states that potassium carbonate, purified so as to give no reaction for chloride, frequently gives a precipitate with silver nitrate after ignition. This, he finds, is due to the presence of chlorate in the electrolytic potassium hydroxide used in the manufacture of the carbonate.

Transformation of Barbaloin into β -Barbaloin.—E. Leger ("Comptes Rendus," No. 25, June 22, 1914) finds that if a mixture of acetic anhydride, barbaloin, and sodium acetate is heated to 160° to 110° C. for an hour, and the yellow liquid poured into a large quantity of water, a yellow precipitate is produced. This product is a penta-acetyl-barbaloin, and when saponified gives barbaloin and also β -barbaloin.

Determination of Esters in Essential Oils.—A. Béhal ("Bull. Soc. Chim.," No. 12, 1914) finds, in determining the esters in certain essential oils, that even with the same essence under identical conditions the results differ by as much as 3 per cent. As a result of investigations, he finds that this is due to the fact that the esters are decomposed in presence of alkalis and alcohols to give a certain amount of ethereal salt corresponding to the alcohol of lowest molecular weight, the alcohol of highest molecular weight being liberated.

Determination of Berberine.—E. Richter ("Arch. Pharm.," 252, pp. 192-205) gives the following process: The residue obtained on evaporation of an alcoholic extract representing 4 grams of the barberry-bark, or an equivalent amount of the tincture, is dissolved in water and 10 c.c. of 15-per-cent. solution of sodium hydroxide added. The solution is shaken for ten to fifteen minutes with 80 grams of ether, and 1 gram of powdered tragacanth added. The ethereal solution is separated, and to 40 grams 10 c.c. of N/10 solution of picronic acid (nitrophenylmethylisonitrosopyrazolone) is added. The precipitate of berberine picronate is collected, washed with ether and alcohol, dried at 110° C., and weighed. The weight obtained multiplied by 0.561 gives the amount of berberine.

Cadinene.—According to Lenz ("Berichte," 1914, 47, 1989), an essential oil is obtained by steam-distillation of the resin (oleoresin) of *Daniella thurifera*. The oil, which contains no phenols, was submitted to fractional distillation, the boiling-point varying from 120° to 290°. After treating with metallic sodium the three fractions boiling between 258° and 275° and refractonating the mixture, a fraction was obtained, at 259° to 270°, of sp. gr. 0.985, at 20° and of optical rotation +67.8°; and a second fraction boiling at 270° to 271°, of sp. gr. 0.9845 and optical rotation +5.9°. When these fractions were dissolved in ether and saturated with hydrogen chloride an abundant deposit of crystals was obtained, which, after recrystallisation from ethyl acetate, melted at 119° and had a specific rotation -39.8°. These crystals were identified as cadinene hydrochloride.

TRADE NOTES.

"VEVAX" CRÊPE BANDAGES have not been advanced in price states the advertisement of Mr. R. J. Reuter, Denman Street, London, W.

MAGNESIA PRODUCTS.—Mr. Thomas Jennings, Cork, Ireland, is prepared to supply light and heavy carbonates and oxides of magnesium and fluid magnesia.

OATMEAL CREAM as a winter line for chemists' sale is the proposal made in the advertisement in this issue of the Standard Tablet and Pill Co., Ltd., Hove.

A. BERLINER & Co., Wessex Street, London, have taken works at Heap Bridge, Bury, Lancs, for the manufacture of surgical dressings and medicated wool.

THOS. CHRISTY & Co., 4-12 Old Swan Lane, E.C., invite our subscribers to send a postcard now for full details of window-displays, selling-plan, etc., with regard to Py-Shan Points tea.

LORIMER-MARSHALL, LTD., 12 Tower Hill, London, E.C., advertise this week malt extract and malt and oil for the winter season. They will supply samples and selection of labels free.

RAMBLER ADVERTISING BALLOONS may be obtained, plain and lettered, from the Altrincham Rubber Co., Mossburn Buildings, Altrincham, who quote prices elsewhere in this issue.

THE G. W. CARNRICK Co.'s PRODUCTS.—The distributing agents, the A. D. S. Co., 6 Northumberland Avenue, London, W.C., announce that advertising during the war will continue, and prices are unchanged.

ALLEN & HANBURYS, LTD., London, advise their customers that prices for malt extract, malt and oil, cod-liver oil, and cod-liver oil emulsion are unaltered. They will send samples and quotations for contracts on request.

"ENGLISH-MADE" is the recommendation made in regard to beef-tea and *consommé* cubes by Tooth's Extract of Meat Co., 23 Leaman Street, London, E. These goods are supplied for packing under the retailer's own name.

FIRST-AID REQUIREMENTS.—Messrs. H. W. Bush & Co., Ltd., Rembrandt Works, Commercial Street, London, E., call attention in their advertisement to their facilities for the supply of first-aid pocket-cases and triangular bandages.

J. T. DAVENPORT, LTD., 117 Union Street, London, S.E., inform us that H.I.M. the Empress of Russia has honoured them with an order for several thousands of ounces of Dr. Collis Browne's chlorodyne to be forwarded to Petrograd immediately.

CHELTHENHAM APERIENT WATER.—The demand for this has been so great that the bottling resources have been taxed to the utmost, but all orders will be executed in rotation with as little delay as possible by the company—Neal, Cheltenham.

SOUTHALL'S TOWELS.—The proprietors, Messrs. Southall Bros. & Barclay, Ltd., Birmingham, announce that there has been no alteration in quality, size, or price of Southall's towels, although the demand for surgical dressings has increased so enormously.

SPECIAL BONUS TERMS.—Full particulars of the special bonus terms which the proprietors of Mother Seigel's Syrup are now offering for window-displays, etc., of this product may be had on application to A. J. White, Ltd., 35 Farringdon Road, London, E.C.

ARMOUR & Co., LTD., Atlantic House, Holborn Viaduct, London, E.C., advertise field and hospital supplies. They quote special prices for large quantities and to charitable institutions. Pamphlets regarding their preparations will be supplied gratis on request.

CLAIRE'S GREASE-PAINTS.—Messrs. Henry C. Quelch & Co., 4 Ludgate Square, London, E.C., intimate that they can now supply grease-paints that have been thoroughly tested by eminent members of the theatrical profession with satisfactory results. They will send sample orders post free.

"MAY WE QUOTE YOU?" asks "May Roberts' Traveller," referring to malt extract and malt and oil. May, Roberts & Co., Ltd., 7-11 Clerkenwell Road, London, E.C., have made no advance in the prices of these articles.

BAISS BROTHERS & STEVENSON, LTD., manufacturing chemists and wholesale druggists, 174-175 Grange Road, Bermondsey, London, intimate that they are prepared to book winter requirements of cod-liver oil emulsion at current prices. Particulars will be sent to our subscribers on request.

CHEMICAL PLANT.—At a time when so many new chemical processes are being worked out in this country it is as well to be reminded that Messrs. Bennett, Sons & Shears, Ltd., 43 Shoe Lane, London, E.C., make all kinds of chemical plant, including autoclaves, digesters, and reflux condensers.

HEATING THE PHARMACY.—The Richmond Gas Stove and Meter Co., Ltd., 132 Queen Victoria Street, London, have issued a winter season's list containing particulars of hygienically constructed, up-to-date gas-fires and other gas heating-apparatus. Illustrations and prices are given of over fifty different models.

SURGICAL ZOTAL is a scientifically made cresol disinfectant and antiseptic prepared by Messrs. Burgoyne, Burbidges & Co., Coleman Street, London, E.C. The point emphasised in the advertisement in this issue is that the price has not been increased owing to the larger demand occasioned by the war.

SEABURY'S ABSORBENT COTTON is in unprecedented demand, but the sole representatives of the manufacturers, Messrs. Fassett & Johnson, 86 Clerkenwell Road, London, E.C., announce that the price has not been advanced. The requirements of an ideal surgical wool are referred to in the advertisement in this issue.

PEPS.—C. E. Fulford, Ltd., Carlton Hill, Leeds, announce in this issue that an attractive newspaper advertising campaign will commence in October, and they advise chemists to order stocks now. New and handsome window and counter cards are ready, and will be supplied to customers free of cost.

JOHNSON & SONS (MANUFACTURING CHEMISTS), LTD., Cross Street, Finsbury, London, N., intimate in this issue that wholesale and retail prices of Johnson's photographic preparations remain unaltered, and that these products are well advertised and in universal demand. They send special showcards with each order.

"WAR AND NERVES" is one title of the advertisement in this issue of Daisy, Ltd., Mammoth Works, Leeds. The tension of war has been the means of increasing headaches, so that it is useful to the public to be reminded that Daisy powders are kept in stock. The advertisement referred to brings out this and other points regarding Daisy powders.

BRITISH SALICYLIC ACID.—The announcement by Messrs. W. J. Bush & Co., Ltd., in the *C. & D.* last week, that they have commenced to manufacture salicylic acid has been widely commended, and the company have been deluged with orders. We are able to add that the company's enterprise has been noted with gratification in high official quarters.

SEMPROLIN EMULSION contains 60 per cent. of pure liquid paraffin suitable for internal use. The cream of the same name is a thick, chocolate-flavoured cream, containing 70 per cent. of liquid paraffin. These products are made by Messrs. William Browning & Co., manufacturing chemists, 4 Lambeth Palace Road, London, S.E., who will send price-lists on application.

MESSRS. LADENBURG, THALMANN & Co., the prominent New York bankers, invite correspondence through their representative, Mr. D. G. Boissevain, 81 Lombard Street, London, E.C., in regard to credits, drafts and all regular banking facilities, which they are prepared to extend to British merchants and manufacturers desiring to increase their business in the United States.

BORIC-ACID POWDER.—Borax Consolidated, Ltd., 16 Eastcheap, London, E.C., are putting up powdered boric acid in a neat envelope, with a red cross upon it,

to retail at 1/7. This is a necessary part of the contents of every soldier's kit as a preventive of foot-soreness and blister. The company supply a neat showcard measuring 11 in. by 9 in., which should be effective in drawing attention to the powder.

"TABLOID" FIRST-AID OUTFITS.—Messrs. Burroughs Wellcome & Co., Snow Hill Buildings, London, E.C., have been conspicuously successful in giving the trade points about war business. This week they advise chemists who have not yet grasped the possibilities of the situation to order a selection of "Tabloid" first-aid outfits, for which there has been a phenomenal demand since the war began.

DR. MACKENZIE'S SMELLING-BOTTLE.—The proprietors of this article advertise in this issue the fact that owing to the increased cost of raw materials they are obliged to advance the wholesale price as from October 1 by 6d. per dozen. At the same time they have made arrangements with the P.A.T.A. to protect the price at the face value of 1s. instead of 11d. as heretofore, which means that the retailer gets an extra 6d. per dozen profit.

P.A.T.A. PRICES.—The additions and alterations to the Protected List during September are:

Allenburys diet, Muscabane liquid and soap, Chinamin "A. & H.," Lombard pocket atomiser, Alkagen carminative magnesium tablets and hæmorrhoidal suppositories, "A. & H.," Arkyl disinfectant; Beslin; Lyeryl; Sangers' 258 Eau-de-Cologne. The following have been altered in price this month: Blinblow's asthma-preparations; Huxley's syrups and Ner-Vigor; Parke, Davis & Co.'s petroleum emulsion and hydrogen-peroxide solution; Semprolin preparations; the West Surrey Central Dairy Co.'s preparations.

WRIGHT, LAYMAN & UMNEY, LTD., Southwark, London, S.E., renew their offer of a copy of the reproduction of the oil-painting "Oranges and Lemons" to retailers who arrange for window-displays, particulars of which are given in their advertisement in this issue. A copy of this fine picture is presented to users of Wright's coal-tar soap who send twenty-four wrappers from the tablets. The offer is open only for a limited period, and chemists should write for particulars to the above address.

PATRIOTIC DENTIFRICES.—Messrs. F. Newbery & Sons, Ltd., Charterhouse Square, London, E.C., are making a feature of carbolio tooth-powder put up in tins, decorated with emblems which are particularly appropriate at present, and in this instance correct, because the dentifrices are made in Messrs. Newbery's premises, Charterhouse Square, the decorated tins also being of British make. The dentifrices are the "Royal Standard" carbolio tooth-powder and the "Union Jack." Both are of pink colour and rose odour. They are put up in beautifully decorated metal boxes in two sizes and retail with excellent profit. We commend them as lines which are in sympathy with the times, and which should help to add to the day's returns.

MESSRS. THOMAS WAIDE & SONS, specialists in printing, Kirkstall Road, Leeds, have submitted to us samples of their latest productions in printed matter for chemists. They are making a feature of patriotic war speciality bills (size 8½ in. by 5½ in.), printed in two colours on white ivory paper. The work is beautifully executed, and such posters are sure to attract attention at the present time. The firm have also a large assortment of cartons, winter speciality bills, and counter-bills (size 8½ in. by 5½ in.), and chemists will find these useful business-bringers during the winter season. Optical and dentistry printed matter is quite a new feature with this firm, and is well worth inspecting. The pamphlets are attractively produced, the illustrations are good, and the printed matter is convincing. Chemists and others interested should write to the above address for samples and prices, which will be supplied on request.

A MESSAGE FROM THE SEA.—Idris & Co., Ltd., Camden Town, London, send us the following extract from a letter they have received from Mr. Hedley Webster, Vancouver, B.C.:

"On September 14, 1912, I dropped from the Canadian

Pacific steamship *Empress of Ireland*, on her voyage from Quebec to Liverpool, a message written by myself and placed in one of your empty 'Idris' ginger-beer bottles, which I securely corked and sealed. The bottle with my message inside was afterwards picked up, in April 1914, on the West Coast of Iceland at a place called Midnes (near Faxaby or Faxy Bay), and was ultimately sent to the British Vice-Consul, Mr. Asger Sigurdson, at Reykjavik, the capital of Iceland. Presumably this bottle was on the sea about nineteen months. I personally attach great importance to the recovery of the bottle in question, as it goes to prove that the currents in mid-Atlantic in lat. 54.24, long. 33.32, where my message was thrown overboard, are running in a north-easterly direction."

QUININE SALTS.—At the beginning of the war it was feared that there might be a scarcity of quinine salts, particularly those of Continental origin. Fortunately this fear has been dissipated. Owing to most of the supply of raw material originating in Java, Holland (a neutral country) has the control of it, as well as facilities for production of the alkaloid. Messrs. R. W. Greeff & Co., Thames House, Queen Street Place, London, E.C., are agents for the large quinine-factory in Maarsse, near Utrecht (the Nederlandsche Kininefabriek), which, they inform us, continues its normal output. Dr. Van Linge, one of the directors of the factory, resided for some years in Java, and he, with Dr. Van de Woude, his co-director, developed, at the commencement of the business, a new process for the extraction of the alkaloid, which has from the first been recognised by experienced buyers as a product upon which they could rely. The salts, such as the hydrochloride and sulphate, fulfil British Pharmacopœia requirements as well as the tests of other Pharmacopœias, and are of approved appearance.

SURGICAL CREOSALGEN.—We have received from C. J. Hewlett & Son, Ltd., manufacturing chemists, 35 42 Charlotte Street, London, E.C., a sample of Surgical Creosalgen. This is an alkaline disinfectant and antiseptic of the cresylic-acid type, and is used for disinfecting the hands and for the treatment of wounds in 1-per-cent. solution. For disinfecting surgical instruments, a ½-per-cent. solution is satisfactory, and for general disinfecting-purposes, 1 to 5 per cent. solutions may be used. Surgical Creosalgen mixes with water, giving a clear solution, and has been used with great success for several years by some hundreds of medical men. Surgical Creosalgen possesses the further merit of being inexpensive. It is a dark-brown liquid, and is put up in amber-glass bottles distinguishable by touch, finished off as shown in the figure. Chemists would do well to make themselves familiar with this product.



SANAPHOS, the new tonic food prepared by the British Milk Products Co., Ltd., 69-70 Mark Lane, London, E.C., at their factory in Gloucestershire, is a distinct advance upon preparations of this nature, particularly in respect to the fact that when mixed with water the resulting liquid has the taste of fresh milk. The chairman of the company is Sir William Taylor, K.C.B., M.D., late Surgeon-General of the Forces, who had exceptional experience in regard to the Army's food-supplies, and the process of manufacture is supervised by an expert chemist. Sanaphos mixes readily with water or milk, and our observation shows that its beneficial effect is felt within an hour after it is taken. It is placed on the market in oblong tin boxes, the smallest size retailing at 1s. (costs 9s. per dozen), the other sizes being 1s. 6d., 2s. 6d., and 5s. The smallest size contains 2 oz. of Sanaphos. The wholesale prices leave a margin of 33 per cent. on cost to the retailer, and the company give special quotations for large quantities. The company are to advertise Sanaphos wisely, and the response they have already received from the trade and the public is highly encouraging.

MYRECA PREPARATIONS.—Messrs. James Ewen & Sons, 4 Hatfield Street, London, S.E., are celebrating the eightieth anniversary of the establishment of their business by a prize competition which is being advertised in "Tit-Bits" and other popular papers. In this competition they offer eighty prizes, the highest being 20*l.*, which are to be awarded on a novel basis. What competitors have to do is to give names to twenty puzzle pictures, but instead of these pictures being printed in the newspaper advertisements, a sheet containing them and spaces for the names is enclosed with a stick of Myreca shaving-soap or Myreca toilet-cream, the competitor having to buy one or other of these from a retail chemist. The shaving-soap is an old favourite preparation, which gives an unusually creamy, lasting, and beard-softening lather. It is put up in a white celluloid case to retail at 1*s.* The Myreca toilet-cream is a non-greasy preparation which has been sold for many years in pots at half a crown; now the same quantity is put up in a collapsible tube, to retail at 1*s.* It is an emollient, healing, and protective compound, delicately and richly perfumed. The price of both these preparations to chemists is 6*s.* 6*d.* per dozen, and in connection with the competition they may obtain them in patent locking postal boxes, with a label ready for the name of the purchaser and the competition coupon inside. The competition is to remain open until October 31, so that it is desirable that chemists who wish to benefit from this excellent fillip to business should communicate with the firm promptly.

WESTMINSTER WISDOM.

The Week in Parliament.

PROROGATION OF PARLIAMENT.

Parliament was prorogued by Royal Commission on Friday, September 18. After the members of the Commons returned to the House from the Upper Chamber and the Deputy-Speaker had read the King's Speech (see p. 57), they sang "God Save the King," Mr. W. Crooks leading. This is an unprecedented event. Among the measures that received the Royal Assent was that dealing with the Government of Ireland (Home Rule).

FLOTSAM AND JETSAM OF THE SESSION.

Mr. Glyn-Jones's Assistants to Chemists and Druggists (Qualification) Bill, which was introduced at an early period of the year, remained on the order paper to practically the last day of the Session, the hon. member having put it down again and again in the hope that on some occasion it might slip through without opposition. It will in all probability be re-introduced next Session as a new Bill. Among other Bills which have suffered the same fate are those dealing with the importation of plumage, in the consideration of which the hon. member for Stepney exhibited so much assiduity, the question of infants' milk, merchandise marks, nurses' registration, the sale of food and drugs, the abolition of vivisection, the repeal of the Vaccination Acts, and the amendment of the Veterinary Surgeons Act (1881).

THE PATENT-MEDICINE INQUIRY.

It may be presumed, writes our Parliamentary correspondent, that when the pressure of business upon the various Government departments in Whitehall becomes less acute than it is at the present time in consequence of the war, some attention will be given to those parts of the report on patent and proprietary medicines by Sir Henry Norman and his colleagues which can be dealt with departmentally. It would in all probability fall to the lot of the Home Office and the Privy Council to devise means of giving effect to the various recommendations. On the other hand, no legislation need be expected in the first part, at all events, of the Session which is to open, according to present arrangements, on October 27, most of the time being earmarked for emergency and other legislation connected with the war. In the unlikely category falls the suggested amendment of the Stamp Acts and of the Indecent Advertisement Act, and the legislation foreshadowed for dealing with

those who give a false trade-description of any remedy. So far the evidence taken and the draft report have not been published, nor the minutes of proceedings when the draft report was considered.

ASSOCIATION AFFAIRS.

Eastbourne.—A meeting of the Eastbourne Pharmacists' Association was held at the Queen's Hotel on September 8. Mr. Walter Price (President) was in the chair, and five other members and the Hon. Secretary were present. The advisability of local clearing-houses for drugs, etc., was considered, but it was decided to leave the matter where it is for the present. On account of the approaching scarcity of some foreign mineral waters, members were asked to push the sale of Cheltenham waters where practicable. The Hon. Secretary, referring to alterations in the P.A.T.A. list, said it would be more satisfactory if wholesalers protected articles at full face value.

Essex.—The Committee of the County Association on September 22 decided to ask the Essex chemists cordially to support the national scheme for the supply of medicines to dependants of sailors and soldiers. A member of the Committee brought up the question of the unprofessional manner in which certain proprietary articles were advertised. After full discussion, it was decided that it was not possible for the Committee to take action. The matter is to be brought before a subsequent meeting.

London.—The Committee of the County Pharmaceutical Association met at 17 Bloomsbury Square on September 22, Mr. J. Keall presiding. It appeared from the minutes that the Committee had agreed on August 13 to the draft scheme for dispensing medicines for soldiers' dependants. It was agreed, on the motion of Mr. Hearle, to ascertain the exact amount to the credit of the Insurance Drug Fund for 1913, also the payments for the current year. The report of the Pharmaceutical Committee on Insurance (p. 79) was adopted. The annual meeting was fixed for October 22, at 3 p.m., in the Holborn Restaurant, and May 6 was fixed provisionally for a dinner, it also being resolved that the social functions of the District Associations should be held, at their own discretion, in a modified form. It was also resolved:

That this Committee urges the Executive Committee of the Local Associations Conference to arrange a meeting between themselves and representatives of the large corporate bodies, and there discuss the possibility of improving the present conditions attached to the sale of patent and proprietary articles by forcing manufacturers of these to join the P.A.T.A., and so protect the selling-price of their goods as to give the retailer a minimum profit of either 25 per cent. or 33½ per cent., this figure to be decided at the conjoint meeting.

The President (Mr. Edmund White) desires to resign his position as Pharmaceutical representative on the London Insurance Committee, owing to his time being much taken up with national duties, and Mr. Uglow Woolcock was appointed to succeed him. A resolution of regret and thanks to Mr. White was passed.

Manchester.—Under the auspices of the Manchester Chemists' Assistants' Association, a course of free lectures on first aid has been arranged for assistants and employés in the wholesale and retail drug-trade in the Manchester area. The lectures will be given on Wednesday evenings, 8.30 to 9.30, in the Medical School of the University, Coupland Street entrance, by Dr. Stopford, Demonstrator in Anatomy, beginning on Wednesday, September 30, 1914, and continuing throughout the winter session. While primarily intended for assistants, the lectures are also open to any pharmacist. It is hoped that as many as possible will become subscribing members of the Manchester C.A.A., in order to meet the expenses incurred. The training and drill will be given on Wednesday and on Saturday afternoons, from three to five o'clock, in the Parade Hall of the Cavendish Street Police Station, All Saints'.

Sheffield.—The annual meeting of the Sheffield Pharmaceutical and Chemical Society was held on September 23. The report of the Treasurer (Mr. H. Antcliffe) showed a balance in hand of 17*l.* 13*s.* 9*d.* It was reported also that the Society has sent 11*l.* 15*s.* 6*d.* to the Pharmaceutical Parliamentary Fund. The Secretary (Mr. H. G. Williams) reported a slight decrease in membership, which was accounted for by the earlier collection of subscriptions according to the new rule. Mr. J. S. Appleton moved that the Secretary be asked to write to the Pharmaceutical Society asking what has been done in the matter of Local Secretaries. The Society had asked for a representative to each Parliamentary Division. Mr. Appleton also gave notice to alter Rule 5 regarding nomination of members of the Council.

Insurance Act Dispensing.

A Weekly Record of events and decisions concerning Chemists' interests in Medical Benefit administration and practice.

Revision of Medical Service Terms.

The National Health Insurance Commissioners are sending to Insurance Committees a memorandum on the revision of terms and conditions of medical service for 1915. It is explained that the outbreak of war has made the present an inopportune time thoroughly to revise the Regulations in view of the preoccupation of the medical and pharmaceutical professions. It has, therefore, been decided to confine the changes to an alteration of the doctors' agreement affecting the provision of medical certificates, and a change as regards the date in which alterations of doctors' and chemists' agreements may be made to take effect. The amendment of Medical Benefit regulations affecting chemists does not, therefore, effect any revision of the conditions of the current agreements for the supply of drugs and appliances, but provision is made so that alterations can come into operation on some date approved by the Commissioners during the year 1915. This date will probably be the first day of any one of the quarters of the medical year. The powers which the Insurance Committees have of amending the Drug Tariff, and which are undisturbed, provide that not later than November 19 a Committee must give to each person, firm, or body corporate under contract with them for the supply of drugs and appliances, a statement of the intended alterations in the Drug Tariff. Any such contractor must by December 3 signify in writing his desire to have his name removed from the chemists' panel at the end of the year, otherwise he will be deemed to have undertaken the supply of drugs, etc., for 1915 on the terms of the Drug Tariff as amended in the manner of which notice has been given. Model letters to panel doctors and chemists are given in the memorandum.

Reports from Local Centres.

With special reference to the supply of medicines and appliances. See also Association Affairs.

ENGLAND.

Burton-on-Trent.—At a meeting of the Insurance Committee on September 10, the Medical Benefit Sub-Committee reported that they had considered a report from the Panel Committee on a question submitted to them from the Pharmaceutical Committee with regard to a doctor on the panel having written 286 prescriptions, costing 13l. 19s. 7½d., during the year ended January 11, 1914, and eighty-seven prescriptions, costing 6l. 0s. 8½d., during the quarter ended April 11, 1914, on account of four persons on his list in whom he had considerable interest. The Committee considered that in this case there had been an excessive ordering of drugs, and recommended that the doctor concerned be surcharged the foregoing amounts, less 8s. capitation grant. The doctor has agreed to pay.

Devonshire.—Instructions for dealing with Form Med. 39 for prescriptions containing two or more drugs scheduled for war rates have been issued to panel chemists by the Insurance Committee, pharmacists being requested (to ensure uniformity) to follow the undermentioned system, viz.:

1. Number the forms used F1, F2, F3, and so on.
2. Number the prescriptions P1, P2, P3, and so on.
3. Attach prescriptions to the form corresponding to the first scheduled drug prescribed thereon.
4. Place against the second or subsequent scheduled drug the reference No. of the form.
5. Insert the reference No. of the prescription instead of the price of the prescription on the appropriate form for the second or subsequent scheduled drug. (The total values will then represent the amount of the account.)
6. Enter the quantities under the appropriate heading:

Grains or minims.	drachms.	oz.
90	1½	½

Do not use signs or any numerals other than the above.
7. Prescriptions entered on Form Med. 39 must not be entered on Form Med. 31.

8. Make a summary of the whole account, including Form Med. 31, on the back of that form.

East Suffolk.—At a meeting of the Insurance Committee on September 16 the Clerk read a letter from the Commissioners stating that the Committee could not make additional payments to doctors who dispensed on a capitation

basis in consequence of increased prices due to the war. In reply to a remark by Dr. Helsham that, while chemists were to be paid more, a similar arrangement was refused to dispensing doctors, Mr. Jeacock, chemist and druggist, informed the doctor that they had so much extra work to do for the extra money that it was not worth while. [Presumably clerical work is referred to in the last sentence.—*EDITOR C. & D.*]

Essex.—The Pharmaceutical Committee met on September 22, when the following were nominated as pharmaceutical representatives on the District Sub-Committees now being set up by the Insurance Committee in the districts mentioned: *Leytonstone*, Mr. Matthews; *Braintree*, Mr. Rowland; *Chelmsford*, Mr. Nicholls; *Barking*, Mr. Freeman; *East Ham*, Mr. Graham. Other District Sub-Committees for the county will be set up as soon as possible. Messrs. Matthews and England were appointed chemists' representatives on the Special Drug Sub-Committee, which is to deal, along with representatives of the Panel and Insurance Committees, with the checking of prescriptions. It was arranged that the Secretary (Mr. Goode) should also attend the meetings of the Sub-Committee. The Secretary pointed out that chemists should fill in Form Med. 39 in the manner requested by the Insurance Committee—viz., prescriptions containing scheduled drugs are to be numbered from 1 to 100, and such prescriptions are to be sent in only in hundreds, or, if that number is not reached, at the end of the quarter. Each form should be kept for its special drug and should have each entry numbered according to the number on the prescription. Many chemists had failed to recognise that 160 grains should be taken as one-third of an ounce, and charged accordingly at the ounce rate. Chemists are requested to send in their accounts promptly, so as to facilitate the work of the checking staff. The Secretary mentioned a case in which last quarter's accounts had not yet been sent in. The Committee investigated a complaint as to the difficulty of getting prescriptions dispensed in the Walthamstow district on early-closing days. It was decided that it was unnecessary to take any action, the complaint not being borne out by the facts brought before the Committee.

Hertfordshire.—At the meeting of the Insurance Committee at Watford on September 21 it was reported that advances amounting to 1,244l. 6s. 6d. had been made to chemists in respect of the quarter which ended on July 11. The number of prescriptions was 41,669, and the total charges 1,332l. 12s. 3d., being an average of 8d. per prescription. In the same period of 1913 38,469 prescriptions were dispensed at a cost of 1,166l. 6s., average 7½d. From the Sanatorium Fund chemists were entitled to 32l. 6s. 4d., and had been paid 29l. 1s. 3d. for 543 prescriptions, average 1s. 2d. The total payments made to practitioners for the year 1913-14 were 33,781l. 1s. 2d., besides 1,685l. 3s. 1d. for drugs.

Leeds.—The Insurance Committee on September 17 decided, at the instance of the local Medical and Panel Committees, to request the Insurance Commissioners to allow of a modification of the regulations to the following effect:

"That during the continuation of the present warfare no transfers should be allowed from the lists of practitioners serving with the Colours, and that the contracts of such practitioners with the Committee at present existing should be continued at the end of the year without fresh signatures."

The object is to assist panel practitioners and their patients in the present crisis.

London Pharmaceutical Committee.—Mr. J. Keall presided at a meeting held at Bank Chambers, High Holborn, W.C., on September 15. The Drugs and Appliances Sub-Committee submitted their report as to the cost of drugs (printed on p. 80), also the figures for the first quarter of the current year—viz.: Amount of claims, 61,195l.; amount paid, 55,322l.; estimated amount available, 42,400l. The Secretary was instructed to obtain figures for the corresponding period of 1913, and, approximately, the total amount available for the medical year ending December 31, 1914. Payment of July and August accounts was also considered. Payments already made, with the cost of July accounts, 15,000l. (approximately), will be about 112,000l. for the period January 12 to July 31, inclusive. Although the current year is shorter than 1913-14 by eleven days, the "case values" are likely to be larger; and the Committee agreed to the Insurance Committee's proposal to pay 90 per cent. of chemists' accounts for August and September. It was also agreed to request the Panel Committee to investigate under Article 40 cases where panel doctors had prescribed excessively, and Messrs. Thompson, Keall, Skinner, Hatfield, Bolwell, and Jenkins were appointed to meet a Sub-Committee of the Panel Committee in order to discuss the report. Settlement of the proposal that in each area, so far as practicable, one or more places of business shall,

at all reasonable times, be open to insured persons who require drugs or appliances, was held over until the next meeting. The Secretary reported that the number of shops on the panel had increased by 100 up to July 11. Messrs. J. Keall, C. T. Allen, and H. Skinner were appointed to act with the Panel Committee in compiling a Pharmacopœia for the county. It was reported that a higher value than 6l. per 100 sustained the report of the Drug and Appliances Sub-Committee, and it was decided that, before further steps be taken, the Secretary should ascertain the cost of an examination of the accounts for the period in question.

London.—The Insurance Committee met on September 24, when the Drugs and Appliances Sub-Committee reported that the accounts for June 1914 rendered by chemists and others for supply of drugs and appliances amounted to 15,629l. 10s. 4d. These accounts had been examined and passed for payment. The Sub-Committee submitted the following particulars as to the number and cost of prescriptions:

Period	No. of Prescriptions	Amounts of Accounts as Allowed	Average Cost per Prescription
		£ s. d.	d.
For the year 1913 ...	5,041,555	155,516 0 0	7.4
For three months ended April 11, 1914 ...	1,511,300	61,194 13 3	9.7
For the period April 12–30, 1914 ...	217,872	8,926 0 7	9.8
May, 1914 ...	420,790	16,914 14 8	9.6
June, 1914 ...	387,598	15,629 10 4	9.6

The Sub-Committee also reported the result of a scrutiny of the prescriptions of doctors in whose cases a special examination seemed desirable owing to the large number of prescriptions issued by them. They found that the average cost of prescriptions during the period under review (1914) was slightly over 9½d., and, assuming that the number of prescriptions for the year 1914 will be approximately the same as for 1913, the average number of prescriptions per insured person during 1914 would be three; therefore, at an average cost of over 9½d. per prescription, the Drug Fund for 1914 is likely to be considerably exceeded, having regard to the fact that the sum available is calculated at the rate of 2s. per insured person per annum, and that the medical year 1914 is eleven days short of a full calendar year. In view of the exceedingly high average cost of prescriptions in the case of certain doctors, these cases have been referred to the Panel and Pharmaceutical Committees for investigation and report to the Committee. The Medical Benefit Sub-Committee reported that there were at August 31 849 persons on the panel for the supply of drugs and appliances, 789 of these being chemists in business, thirty-three chemists in institutions, and twenty-seven other persons. The names of ten persons had been added to the above panel during July and August, and two persons had asked that their names should be removed. This Sub-Committee further reported that they had considered the question of the use of the formula "Rep. mist." by panel doctors when ordering drugs for insured persons, and they recommended that this practice should be discontinued, that the doctor should write his prescription in full, and that doctors and chemists be so informed. The Sub-Committee also reported that after careful consideration they had authorised four practitioners on the panel to supply drugs, etc., to certain insured patients, since these patients, by reason of distance, had difficulty in obtaining supplies from a panel chemist. They recommended that the Committee approve of this action. Regarding payments to chemists, the Sub-Committee, after considering the position, decided that such payments should be at a reduced rate for the months of August and September, and recommended that, subject to the concurrence of the Pharmaceutical Committee, 90 per cent. of the amounts of the accounts as rendered for August and September should be paid, and that, as the deductions in respect of "case values" for the year is likely to be greater than in the past year, the necessity for greater care being exercised in the prescribing of drugs and appliances be impressed on doctors and chemists. Regarding the proposed Insurance Pharmacopœia, the Sub-Committee recommended that the publication and issue of this Pharmacopœia, to be prepared by representatives of the Insurance, Panel, and Pharmaceutical Committees, be undertaken by the Insurance Committee and at their expense. The Medical Service Sub-Committee reported that they had considered complaints against three panel practitioners, and in one case they came to the conclusion that it would be prejudicial to the efficiency of the medical service that the practitioner should remain on the panel, and that the Commissioners and the doctor be so informed.

There were no complaints against chemists. The General Purposes Committee reported that the Pharmaceutical Committee had appointed Messrs. Keall and W. J. Uglov Woolcock as members of the Pharmaceutical Service Sub-Committee, and these gentlemen were also nominated as representatives of the Pharmaceutical Committee on the Drugs and Appliances Sub-Committee.

Nottingham.—The Insurance Committee on September 18 agreed to paying 670l. 17s. 11d., in part settlement of chemists' accounts.

Oldham.—The Finance Sub-Committee of the Insurance Committee reported on September 15 that chemists' accounts for the half-year ended July 11, 1914, amounted to 4,225l. 6s. 0½d., of which 3,169l. had been paid on account. As this amount exceeded the estimated income, the Sub-Committee had resolved that future payments to chemists be made at the rate of 66½ per cent. of the amounts of their accounts as rendered.

Sheffield.—The Pharmaceutical Committee met on September 18, when the Secretary reported that he had been unable to get the final amount available from the Drug Fund for the settlement of the 1913 accounts, although he had made several applications for the information. The Clerk of the Insurance Committee wrote stating that when examining prescriptions, in accordance with Article 40 of the Regulations, the Panel Committee had found some difficulty in deciding which part of the prescription had been filled in by the chemist and which by the practitioner. They suggested that any details added to a prescription should be written in red ink. It was agreed to ask chemists to fall in with this suggestion. A long discussion took place about the Commissioners' memorandum as to excessive prescribing, and it was decided that the pharmaceutical members of the Pharmaceutical Service Sub-Committee, with the Secretary, be appointed a Committee, with power to add to its members, to act in conjunction with members of the Insurance and Panel Committees, and that the Secretary ask the Insurance Committee to take the necessary steps to form the Joint Committee as suggested in the Commissioners' circular, with a view to combined action being taken in the checking of prescriptions under Article 40 of the Regulations.

West Bromwich.—At a meeting of the Insurance Committee on September 16 the Medical Benefit Sub-Committee reported that the Pharmaceutical Committee had considered the matter of payment to panel practitioners for emergency medicines, and had recommended that the sum of 1s. per 100 insured persons per annum be paid (*C. & D.*, September 12, p. 50). It was decided to submit this decision to the Panel Committee. On the recommendation of the Finance Sub-Committee, it was decided to pay the chemists' accounts as promptly as possible in future. The Pharmaceutical Committee met on September 22, when it was decided so far as this Committee is concerned, to accept Smethwick's offer with regard to checking prescriptions (*C. & D.*, September 12, p. 50). It was decided to ask the Panel Committee to scrutinise prescriptions written by all panel doctors who exceeded a sixpenny average during the first quarter of this year, and to ask the Insurance Committee to request panel doctors to be more particular in endorsing Sanatorium prescriptions, as neglect in doing this causes a heavy drain on the Drug Fund. Messrs. Allen, Osborne, and Kensey-Bourne were elected as the Pharmaceutical Sub-Committee.

Yorkshire.—Mr. R. Broadhead, Secretary of the West Riding Pharmaceutical Committee, writes: "I am instructed by my Committee to draw your attention to the fact that your report of the meeting of the West Riding Pharmaceutical Committee was unofficial and referred only to one item on the agenda of that meeting."

C. & D. Diary, 1915.

THE Diary, which the *C. & D.* has presented to its subscribers free every year for nearly half a century, will again be issued to all subscribers towards the end of this year. Both Editor and Publisher are now engaged in its preparation, and the Editor invites subscribers to communicate to him for publication in the Diary formulas for medicinal preparations which they desire to sell as known, admitted, and approved remedies. The Publisher will be glad to receive as soon as possible instructions from advertisers as to their requirements. He reminds all that the best way to serve the country during the present crisis is by assisting traders as much as possible. The opportunity British manufacturers of chemicals and chemists' supplies now have of securing fresh markets is unique. Such an opportunity is never likely to occur again. The publicity which *The Chemist and Druggist Diary* will give during the whole of 1915 to goods which interest responsible buyers in all parts of the world will be one of the strongest factors in bringing business.

LIMITED COMPANIES.

New Companies Registered.

P.C. means Private Company and R.O. Registered Office.

LYNROCK NATURAL MINERAL-WATER CO., LTD. (P.C.).—Capital 1,000*l.*, in 1*l.* shares. Objects: To take over the business carried on at Lynton, North Devon, as the "Lynrock Natural Mineral-water Co." The first director is B. Jones.

SHAWBRUNER, LTD.—Capital 50,000*l.*, in 1*l.* shares. Objects: To carry on the business of glass, glass bottle and stopper manufacturers, importers, and exporters, looking-glass manufacturers, etc. The first directors are J. S. Shaw (Huby, Leeds) and L. N. Bruner.

VICTORIA HOSPITAL, CORK (INCORPORATED).—This company was registered in Dublin on September 16 as a company limited by guarantee, with not more than 500 members, each liable for 1*l.* in the event of winding-up, to take over the work of the Victoria Hospital for Diseases of Women and Children.

COURTIN & CO., LTD. (P.C.).—Capital 5,000*l.*, in 1*l.* shares. Objects: To take over the business carried on by H. Courtin, and to carry on the business of manufacturers of and dealers in artificial teeth, etc. H. Courtin is the first governing director. R.O., Belfast Chambers, 156 Regent Street, London, W.

J. B. FORD CO. OF LONDON, LTD. (P.C.).—Capital 1,000*l.*, in 1*l.* shares. Objects: To carry on the business of chemists, druggists, drysalers, oil and colour men, importer and manufacturers of and dealers in pharmaceutical, medicinal, chemical, industrial, and other preparations and articles, etc. The first directors are G. G. Harris, J. M. Griffiths, and C. R. Kincaide. R.O., 3 Love Lane, Eastcheap, London, E.C.

SWANSEA RADIUM, LTD. (P.C.).—Capital 1,500*l.*, in 1*l.* shares. Objects: To acquire by purchase 100 milligrams of radium, and to hold the same upon trust for use by physicians, surgeons, and hospitals. The first directors are J. A. Thomas, H. G. Thomas, Dr. Jabez Thomas, Dr. R. C. Elsworth, W. L. Morgan, W. F. Brook, J. Hall, R. Lewis, and Rev. the Hon. W. T. Rice. Solicitor, C. W. Slater, 18 York Place, Swansea. R.O., Swansea General and Eye Hospital, St. Helens Road, Swansea.

BIRTH.

Authenticated notices are inserted without charge.

INGE.—At 2 City Road, Winchester, on September 15, the wife of Percy Inge, chemist and druggist, of a son.

MARRIAGES.

Authenticated notices are inserted without charge.

BRINDLE—HOLT.—At St. George's Presbyterian Church, Blackburn, on September 17, Herbert A. Brindle, Brown Street, to Maud Conway, only daughter of Mr. W. Holt, chemist and druggist, 127 Penny Street, Blackburn.

DANIEL—SHRIMPLIN.—At St. Mary's Church, Stoke Newington, on September 17, George Brimaconib Daniel, chemist and druggist, 630 Holloway Road, London, N., son of Mr. George Daniel, chemist and druggist, 272 High Road, Wood Green, N., to Eva Louise, youngest daughter of Mr. and Mrs. Shrimplin, Stoke Newington, London, N.

JAMIESON—SPARKS.—At St. Mark's Church, Hamilton Terrace, London, N.W., by the Rev. W. A. Jeayes, M.A., on September 19, James Duncan Jamieson, of H.M. Civil Service, elder son of Mr. Sydney Jamieson, to Daisy Ethel Constance, youngest daughter of the late Mr. R. E. Sparks, of the Admiralty.

NISBET—WALSH.—At St. Cuthbert's Parish Church, by the Rev. R. H. Dunlop, on September 16, Norman Nisbet to Adelaide, daughter of Mrs. Walsh, 14 Comely Bank Avenue, and granddaughter of the late Mr. Jas. Smiles (T. & H. Smith, Ltd.).

SAUNDERS—SMITH.—At St. Matthias' Church, Preston, Brighton, on September 15, Stanley Ingletton Saunders, chemist and druggist, to Ethel May, only daughter of Mr. T. Smith, Preston.

SHEPPERD—HAMMOND.—At the Parish Church, Barnstaple, on September 12, William John Shepperd, chemist and druggist, Barnstaple, to Marian A. S. Hammond.

SUTCLIFFE—GRITTINS.—At Holy Trinity Church, Halifax, on September 19, Robert Vivian Sutcliffe, chemist and druggist, only son of Mr. J. A. Sutcliffe, chemist and druggist, Halifax, to Helen Grittins, of Birmingham.

WOODCOCK—WHITE.—At Hornsey Wesleyan Church on September 10, Norman F. Woodcock, chemist and druggist, younger son of Mr. Page Woodcock, Lincoln, to Lilian Mary, only daughter of Mr. H. White, Hornsey.

DEATHS.

Authenticated notices are inserted without charge.

CHRISTIE.—At Earnview Cottage, Auchterarder, on September 16, Mr. John Christie, chemist and druggist, late of Glasgow, aged seventy-four.

GALBRAITH.—At 16 Athole Gardens, Glasgow, on September 20, Mr. Walter Sloan Galbraith, J.P., chemist and druggist, 52 Paisley Road West, Glasgow, aged seventy. Mr. Galbraith passed the Modified examination in 1868.

BUSINESS CHANGES.

Authenticated information for this section will be received by the Editor, and published, if not in the nature of advertisement.

MR. J. H. MEADOWCROFT, Ph.C., is opening a new pharmacy at Abbey Lane, Woodseats, Sheffield.

MR. W. HUDSON ALLKINS, pharmacist, has purchased the business until recently carried on under the title of J. H. Collins & Co. at the Rexall Pharmacy, Exchange Buildings, Coulsdon, Surrey. (Corrected note.)

BOOTS, CASH CHEMISTS, LTD., have acquired premises in Commercial Street, Aberdare (Glam.), which they are getting ready to open as a branch. The company are altering their premises at 25 and 26 High Street, Dudley, and at 91 Peased Street, Windsor.

PERSONALITIES.

Authenticated information for this section will be received by the Editor, and published, if not in the nature of advertisement.

MR. JOLLY NASH, formerly with Messrs. John Morgan, Davies & Sons, has joined the outdoor staff of Messrs. Lorimer-Marshall, Ltd. as Northern representative.

MISS P. A. IRENE EVANS, daughter of Mr. M. D. Evans, chemist, Towyn, has passed the Junior and Senior examinations of the Central Welsh Board in Pharmaceutical Preliminary subjects.

MR. T. A. CANHAM, Ph.C., who for the past seven years has acted as manager to Mr. H. Knight, chemist and druggist, 19 Broadway Market, Wimbledon, has accepted an appointment with Messrs. Smith & Campbell, The Mall, Lahore, India.

MR. JAMES MEADOWCROFT, managing director of W. Meadowcroft & Sons, Ltd., Regent Street, Blackburn, was presented recently by the employes at Blackburn, Birmingham, and Glasgow and the representative staff with an illuminated address and an English chime clock as a token of esteem and to mark the completion of twenty-one years as managing director of the business.

THE "British Medical Journal" states that Miss Fanny Cresswell Paris, daughter of the late Dr. John Ayrton Paris, formerly President of the Royal College of Physicians, and author of "Pharmacologia," celebrated her one-hundredth birthday at her residence at Yarmouth, Isle of Wight, on September 16. We may add that Dr. Paris died on December 24, 1856, aged seventy-one. He was educated at Caius College, Cambridge, and left there while still in his teens to continue his medical studies at Edinburgh University. He had been, at the time of his death, President of the Royal College for twelve years. Miss Paris receives a Civil List pension in recognition of her father's work.

MR. HENRY OVEREND, chemist and druggist, 12 Southfield Square, Bradford, who died on August 23, left estate valued at 1,810*l.* 16*s.* 9*d.* gross, with net personalty 1,542*l.* 5*s.* 1*d.*

TRADE-MARKS.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1914, p. 237.

Objections to the registration of any of the undermentioned applications must be stated on Form T.M. No. 7 (obtainable at Money Order Offices for £1) and lodged with Mr. W. Temple Franks, Comptroller-General, Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned.

(From the "Trade-marks Journal," September 9, 1914.)

- "PANGO"; for a headache-remedy (3). By W. H. Thorne, 11 Newton Mansions, Queen's Club Gardens, W. 361,996.
- "RABASA"; for medicated salts (3). By No. 3 Syndicate, Ltd., 10 St. Helen's Place, E.C. 362,349.
- "VEDENTIS"; for a dental anæsthetic (3). By Gertrude East, 4 Westpark Gardens, Dundee. 362,815.
- "VIRGIL"; for medicinal chemicals (3), and for perfumery, etc. (48). By Tokalon, Ltd., 212-214 Great Portland Street, W. 363,037, 363,007.
- "COMPASS," with picture of same; for medicinal chemicals (3). By Southall Bros. & Barclay, Ltd., Birmingham. 363,038.
- "SILVOLENE"; for medicinal chemicals (3). By Crookes' Collosols, Ltd., 109 Ladbroke Grove, W. 363,054.
- Label device of bull's head, with letters "D. M. C." (letters disclaimed); for bristles (4). By Daney Maguire & Co., 10 Bishopsgate Avenue, E.C. 362,632.
- Heart-shaped device with face in centre; for spectacles and eye-glasses (8). By Newbold & Bulford, 46 and 48 Goswell Road, E.C. 362,314.
- "YOREX"; for ink-powders (39). By R. W. Bird & Sons, Weston-super-Mare. 362,719.
- "BONTIS"; for food-substances (42). By R. Twining & Co., Ltd., 216 Strand, W.C. 361,460.
- "GLUTOX"; for animal-food (42). By Nicholls, Nagle & Co., Ltd., Trafford Park, near Manchester. 362,422.
- "MATROLAK"; for a desiccated milk-food (42). By Chilvers Johnson & Co., 542 High Road, Leytonstone, N.E. 362,523.
- "DOGNOR"; for all goods (44). By The Dognor Hygienic Co., Ltd., Devonshire Place, Brighton. 362,863.
- "LUBAFAX"; for lubricating-preparations (47). By Burroughs Wellcome & Co., Snow Hill Buildings, E.C. 362,810.
- "CLOENE"; for a preparation for cleaning artificial teeth (48). By J. L. Williams, 84 Fellows Road, South Hampstead, N.W. 362,659.

(From the "Trade-marks Journal," September 16, 1914.)

- "AURO"; for photographic goods (1). By Boot's Pure Drug Co., Ltd., Nottingham. 362,202.
- "DEXOID"; for all goods (1). By H. Davison & Sons, Ltd., 13-21 Carpenter's Row, Liverpool. 362,400.
- "SHALUM"; for water-softeners (1). By A. Rixson, 369 Ripponden Road, Oldham. 362,797.
- Picture of Scotch bugler, with words "SEMPER EADEM" and letters "F. G."; for chemicals (1), and for goods (4). By Forster & Gregory, Ltd., Greyhound Lane, Streatham Common, S.W. 363,175/6.
- "PROOT'S IODISED CRYSTALS" and label device; for medicinal iodised crystals (3). By Aloise Proot, 14 Place Rouppe, Brussels. 360,294.
- "DOUSHOL," for medicated douches (3); "SORLENE," for medicinal chemicals (3). By Crooke's Collosols, Ltd., 109 Ladbroke Grove, W. 361,427, 362,918.
- "RISTA"; for medicinal chemicals (3). By J. Davies, 18 Stepney Street, Llanelli. 362,648.
- "ESPERO"; for an ointment (3). By Alice C. Divino, 16 Philpot Lane, E.C. 362,857.
- "EQUIPOID," for medicinal chemicals (3), food-substances (42), and for perfumery, etc. (48); "VALEX," for perfumery, etc. (48). By W. J. Bush & Co., Ltd., 28 Ash Grove, Hackney, N.E. 362,950/1/2, 362,949.
- "EQUINOX"; for all goods (3). By D. H. Elliott, 9 Park Way, Princes Road, Liverpool. 363,076.
- "SRIX"; for medicated soap (3). By Hartley & Partners, Ltd., 20 Finsbury Circus, E.C. 363,137.
- "ATYLIN," for medicines (3); "FLAMMEX," "FLAMMOIDS," and "EUFAM"; for artificial fuel (50). By the Standard Tablet and Pill Co., Ltd., Hove. 363,156, 362,013/014/058.

NETHERLANDS NOTES.

Carriage of Compressed Gases.—The "Staats-courant" of August 18 contained a Royal decree regulating the conveyance by rail of liquid air and compressed gases. The tubes are to be covered with non-combustible material, with a view of minimising shocks. They must be conveyed in covered trucks, and in loading are not to be exposed to sun or fire warmth.

Sickness Insurance.—An agreement has been arrived at with the directors of the principal Amsterdam sickness-insurance companies whereby they will not remove from their lists of insured persons before January 1, 1915, the name of any person who can show that in consequence of the war he is unable to pay his subscription—e.g., when he is regularly supported by the National Relief Fund. Persons who do not pay their contributions for four weeks will be transferred to a division for extraordinary members, and such persons, with exceptions in particular cases, will pay half of the ordinary contribution, but if they are regularly supported by the National Relief Fund no contribution will be required. These extraordinary members will have the same right to medical aid as ordinary members. The Government will make good to the insurance companies half of what they lose in subscriptions, provided that they pay to the physicians and pharmacists at least two-thirds of their usual payments. The physicians and pharmacists of the city are charged with the administration of this special sickness benefit.

Iodine from the East.—In consequence of the prohibition of the exportation of iodine from several countries, particularly those which are at war, there is at present great scarcity of this substance in Holland. The Government has therefore turned its attention to other sources of supply, such as the iodine-wells in the East Indies. In Java particularly there are wells the waters of which have a magnesium-iodide content equivalent to 30 to 120 milligrams of iodine per litre. The iodine is extracted by precipitation from the slightly acidified solution with copper sulphate, and the cuprous iodide which is thus obtained is sent into the market containing from 50 to 55 per cent. of iodine. According to the Dutch "Year-book of Mining," the yield of pure iodine from this source amounted in 1909 to 23,973 kilograms. It has been known for more than half a century that there are rich iodine-wells in Batavia, Samarang, and Timor, Dutch East Indies and it is anticipated that Holland can obtain increased quantities of iodine from these sources. It is of interest to note that iodine-wells are found frequently near petroleum-wells—the petroleum in the upper and the iodine-water in the lower stratum.

NEW BOOKS.

Any book published in the United Kingdom can be supplied to our subscribers at the price quoted. Orders, with remittance, should be sent to the Publisher, 42 Cannon Street, London, E.C.

Fairbrother, H. *Patents and Trade-marks*. 8½×5. Pp. 51. 1s. net. 2nd edit. (Bromhead & Co., 30-32 Ludgate Hill, E.C. [Deals with all countries granting protection, the information being brief but comprehensive as to fees and duration of protection.]

Kingscott, P. C. R., D.I.C., A.R.C.Sc., A.I.C., B.Sc. (Lond.), and Knight, R. S. G., D.I.C., A.R.C.Sc., A.I.C., B.Sc. (Lond.). *Methods of Quantitative Organic Analysis*. 8½×5. Pp. 283+xvi. 6s. 6d. net. (Longmans, Green & Co.) [The subject-matter of the book is treated under four heads—viz., chapter 1, Determination of Molecular Weight by Physical Methods; chapter 2, Ultimate Analysis; chapter 3, The Estimation of Typical Groups; and chapter 4, The Estimation of Some Compounds of Technical Importance. The various processes are clearly, although in a few cases somewhat concisely, explained. The book is specially suitable for technical students, but pharmaceutical students will also find it useful.]

Lawson, F., B.Sc. (Lond.), Ph.C. *Organic Materia Medica*. 2nd edit. 8½×5½. Pp. 41. 2s. 6d., post free. (Northern College of Pharmacy.) [This edition has been revised by Mr. Harry Berry, Ph.C., F.C.S., and the opportunity has been taken to introduce one or two new drugs and some account of vaccine-therapy. The book begins with definitions, then takes the drugs in natural orders, beginning with aconite—botanical name, habitat, part used, and composition being given. Animal drugs are dealt with similarly, paragraphs on gland-products and vaccines being added. A useful revision book, interleaved.]

TRADE REPORT.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., September 24, 6.30 p.m.

ALTHOUGH business continues on restricted lines, evidence is accumulating that there is a gradual return to more normal conditions in the markets. The arrangements made for opening foreign exchanges will pave the way for transferring money from neutral to allied countries, and already business is taking place with France, Belgium, Holland, Italy, and Switzerland. At home, the British Government has decided to bring the moratorium to an end with as little delay as possible, particulars being given on another page. Public sales of produce continue to increase, and the drug-auctions will be resumed next week; in the interval very fair supplies have arrived. As regards so-called fine chemicals, there is now a general tendency to accept lower prices where stocks exist, and as compared with the extreme rates which prevailed in the first and second week of the war, a fairly substantial reduction is shown in certain articles. Further supplies of various chemicals, some of which are badly wanted, have arrived from the United States, and to a less extent from France. Switzerland is also in the field as a possible source. Several of the leading firms have no doubt a six months' supply of many chemicals on hand. Alterations in values include an official reduction in bromides varying from 3*d.* to 9*d.* per lb., and other products offering at reduced prices include acetanilide, acetyl-salicylic acid, salicylates, citric and tartaric acids, cocaine, and to a less extent phenacetin and phenazone. Quicksilver has been advanced 10*s.* by dealers, but mercurials are unlikely to follow. The embargo which exists on the export of many drugs and chemicals assists in restricting the demand, and helps to keep prices down. The alterations in industrial chemicals include an advance in sal ammoniac and bichromates of potash and soda. The principal changes are as under.

Higher	Firmer	Easier	Lower
Bichromates of potash and soda	Coconut oil	Ammonia sulphate	Acetanilide
Isinglass	Ceylon (spot)	Benzols	Acetyl-salicylic acid
Pepper (white)	Quinine	Bergamot oil	Anise
Quicksilver		Cottonseed oil	Bromides
Sal ammoniac		Orange oil	Canary-seed
		Phenacetin	Citric acid
		Phenazone	Cocaine
			Cumin-seed
			Fenugreek-seed
			Lemon oil (spot)
			Rosin
			Salicylates
			Tartaric acid
			Turpentine

Cablegram.

NEW YORK, September 24.—Business in drugs is fair. Both opium and peppermint oil are unchanged. Menthol is lower at \$2.95 per lb. Mexican sarsaparilla is easier at 15*c.* Buckthorn-bark is lower at 20*s.* Podophyllum-root is firmer at 8*c.*, and Cartagena ipecacuanha has been reduced to \$1.65. Curaçao aloes in cases is easier at 14*c.*, and jalap is offered at the lower price of 12*c.* Round buchu-leaves are cheaper at \$1.65 per lb.

London Markets.

ACETANILIDE is about 6*d.* per lb. cheaper, offering at 1*s.* 6*d.*

ACETIC ACID is steady, with 98- to 100-per-cent. glacial B.P. offering at 45*s.* to 50*s.* per ton in carboys, and commercial 80-per-cent. at from 30*s.* to 35*s.* in casks, ex wharf, London.

ACETYL-SALICYLIC ACID is offered at the cheaper rates of from 7*s.* to 7*s.* 6*d.* per lb. as to quantity.

AMMON. MOLYBDATE.—A small parcel has been sold at 37*s.* 6*d.* per lb.

ANISEED is lower, with Russian offering at 40*s.* to 45*s.* and Spanish at 45*s.* per cwt.

ARROWROOT.—The sales include 150 barrels St. Vincent of usual quality at 2½*d.* per lb.

BALSAM PERU is steady, at 7*s.* per lb. net for genuine B.P.

BENZOLS are easier, 90-per-cent. prompt offering at 11½*d.* to 1*s.* per gal. in London and 9½*d.* to 10*d.* naked in the North.

BERGAMOT OIL is offered for prompt shipment at the cheaper rate of 17*s.* 6*d.* per lb. c.i.f., and the spot value is from 18*s.* 6*d.* to 19*s.*

BICHROMATES.—The makers have advanced the price of potassium to 7*d.* per lb. net, and sodium to 3*d.* per lb. net, both delivered ex wharf London or station as usual. Prices are without engagement.

BROMIDES.—The English makers have reduced their official prices by 3*d.* per lb. on potassium, and ammonium to 3*s.* 9*d.*, and sodium has been reduced by 9*d.* to 3*s.* 3*d.* per lb.

CANARY-SEED is lower, owing to cheap offers of new-crop Spanish and less demand for export. Fair quality Morocco is worth about 112*s.* 6*d.* per quarter.

CASTOR OIL.—A small supply of best French medicinal oil has been received: such in cases is offered at 42*s.* per cwt. on spot. Hull make of first pressing in barrels is unaltered at 26*s.* 10*s.* per ton, delivered free on wharf London, including insurance against war-risk. Finest medicinal quality is 50*s.* per ton over the price of firsts, and oil in tins 50*s.* per ton over the price in barrels. The value of good seconds Calcutta in Liverpool is 4*d.* per lb., with a limited inquiry.

CINCERONA.—Further particulars of the pharmaceutical bark to be offered at Amsterdam on October 1 show that the 2,243 packages to be offered weigh 127,159 kilos., the total quinine-sulphate content being 946 kilos. At the London auction on Tuesday 486 packages East Indian bark were offered and bought in.

CITRIC ACID.—Quite nominal, at from 3*s.* 6*d.* to 3*s.* 9*d.*

CLOVES.—Steady, with Zanzibar on spot offering at 7½*d.* per lb.

COCAINE is offered at the cheaper rate of 8*s.* 6*d.* per oz. Arrivals have taken place from Paris this week.

COCA-LEAVES.—Further particulars of the auction to be held at Amsterdam on October 1 show that the 3,651 packages to be offered weigh 198,575 kilos., the total alkaloidal-content being 3,276 kilos. and the average percentage 1.65.

COD-LIVER OIL.—The following circular from Bergen, dated September 16, was written before the recent events in the North Sea, and may not now apply to the situation: "A weekly steamship service by the Wilson Line is again in operation, and the Norwegian steamship companies have a daily steamer from Bergen to Newcastle-on-Tyne. Any day, however, there may be occurrences in the North Sea which would change the situation. Freight rates have been raised about 25 per cent. Goods sent across the North Sea are usually now insured against war-risk, the premium of which varies from day to day, generally between 2 and 5 per cent., according to the news received about floating mines. Finest 1914 non-freezing steam-refined oil is quoted 70*s.* per barrel f.o.r. Hull without engagement." Holders on the spot are asking from 80*s.* to 85*s.* for finest non-freezing 1914 Lofoten oil.

CUMIN-SEED is easier at 47*s.* 6*d.* per cwt. for good Morocco on the spot.

EUCALYPTUS OIL.—Fair arrivals have taken place in this market of late. B.P. quality is offered at from 1*s.* 5*d.* to 1*s.* 5½*d.* per lb. as to test.

FENUGREEK-SEED has been pressed for sale, and as there is little demand the price has declined to 9*s.* to 9*s.* 6*d.* per cwt., according to quantity.

FORMALDEHYDE is selling at irregular prices at from 75*s.* to 90*s.* per cwt. for 40-per-cent., with a limited quantity still obtainable at the lower figure.

GALLIC ACID is quoted at about 3*s.* 6*d.* per lb.

GUAIACOL CARB.—The value is about 8*s.* 6*d.* per lb.

HEXAMETHYLENETETRAMINE.—The value is about 6*s.* per lb.

ISINGLASS.—At auction 315 packages offered and met with a good demand, about two-thirds finding buyers at generally higher rates. Brazil was 2*d.* to 3*d.*, Penang leaf 2*d.* to 4*d.*, tongue 2*d.* to 3*d.* higher. Saigon leaf was much dearer, as was Karachi by 2*d.* to 3*d.* per lb.

LEMON OIL meets with little inquiry, spot offering at from 7*s.* 6*d.* to 8*s.* per lb., and to arrive at from 6*s.* 6*d.* to 7*s.* c.i.f. Terpeness oil is offered at 10*s.* spot, and to arrive at 100*s.* c.i.f.

METHYL SALICYLATE is offered at from 2*s.* 8*d.* to 2*s.* 9*d.* per lb., according to quantity.

MILK-SUGAR is firm at 95*s.* to 100*s.* per ewt., according to seller.

OILS (FIXED).—*Linseed* is unchanged at 26*s.* in pipes and barrels on spot; naked, 25*s.* 4½*d.*; forward delivery is not offered. *Cocunut* oil is firmer at from 44*s.* to 46*s.* for Ceylon on spot. *Cochin* is 54*s.* to 57*s.* spot. London-pressed 1*s.* cheaper at 39*s.* *Cottonseed* oil is easier at 30*s.* for crude in pipes on spot, 28*s.* 6*d.* for pale refined in pipes, and 35*s.* 6*d.* for sweet refined. *Rape* oil is quoted at 36*s.* for English refined in barrels, and Ravison is 30*s.* naked on spot. *Manehurian Soya* in eases on spot is quoted 25*s.* to 25*s.* 6*d.* *Palm* oil on spot is offered at from 28*s.* to 36*s.* per cwt., and *Lard* oil 40*s.* to 57*s.* 6*d.* per cwt. *Petroleum*, American refined 8½*d.* to 8½*d.* and water-white 9½*d.* per gal. Ground *Nut* oil, 38*s.* 6*d.* to 47*s.* *Neat's-foot* oil, 2*s.* 6*d.* to 3*s.* 10*d.* per gal. *Seal* oil, 19*l.* to 27*l.* per tun. *Whale* oil, 19*l.* to 26*l.* Bright *Sperm* oil, 26*l.* to 29*l.* *Cod* oil, 19*l.* to 24*l.*, all per tun.

OLIVE OIL remains firm, with very limited offerings. The value of finest "cream" is about 7*s.* 9*d.* and fine edible 6*s.* 9*d.* per gal.

OPUM.—A Smyrna correspondent writes on September 4 that the opium-market is at a standstill; nevertheless, some efforts have been made by buyers to try and secure goods by means of payment after the moratorium, or by cheque on London, but all such efforts have proved fruitless. With cash in hand one can buy at 200 to 230 *ptrs.* per oke, as to quality, but, with payment under any other condition, we doubt whether 300 *ptrs.* will tempt sellers to part with the little existing stock out of the banks' hands. The probable position is therefore as follows: 14*s.* to 16*s.* for 10-per-cent. to 11½-per-cent. goods cash payment, or 19*s.* to 21*s.* for payment by cheque in London, or after the banks open and the exchange on London advances again to normal conditions. The arrivals from the interior are 1,162 cases, against 2,760 cases at the same date last year. In London prices range from 18*s.* 6*d.* to 19*s.* for 11-per-cent. test on the spot.

ORANGE OIL.—Sicilian letter advices indicate a weak market, and as crop prospects are still good lower prices are expected later; to arrive, 8*s.* c.i.f. is quoted, the spot value being about 9*s.* for *sweet*.

PEPPER is firm, black Singapore offering at 5½*d.*, fair Tellicherry 5½*d.*, and Lampong 4½*d.*, all spot. *White* pepper is dearer, with sellers of Singapore at 9½*d.* on spot, and for September-October shipment 8½*d.* e.i.f. has been paid. Muntok is quoted 9½*d.*, and business has been done at 8½*d.* e.i.f. for September-October shipment, and at 7½*d.* e.i.f. for Penang in the same position.

PEPPERMINT OIL.—To arrive, prices of American in tins are irregular at from 7*s.* 6*d.* to 9*s.*; spot sellers of the finest brands ask 10*s.*

PHENACETIN is quoted at from 6*s.* to 7*s.* per lb. as to seller.

PHENAZONE is offered at the cheaper rate of from 10*s.* to 10*s.* 6*d.* per lb.

PHENOLPHTHALEIN is offered at from 9*s.* to 9*s.* 6*d.* per lb.

POTASH PERMANGANATE.—Prices vary considerably, at a range of from 140*s.* to 180*s.* per cwt.

QUICKSILVER.—The leading importers do not quote a price, but second-hand have advanced their quotations by 10*s.* per bottle to 7*l.* to 7*l.* 2*s.* 6*d.* for some reason which has not definitely transpired. Mercurials, which advanced immediately after the outbreak of war, are not likely to follow the metal.

QUININE.—In more inquiry and a shade firmer, at from 1*s.* 2½*d.* to 1*s.* 3*d.* per oz. for German sulphate from second-hands. Over 150,000 oz. have been shipped to India. At the auction held at Amsterdam on September 18, 1,417½ kilos. Ed II. (50,000 oz.) were offered, and sold at an average price of fl.21.46 per kilo. The next auction will be held on October 16, when a similar quantity will be offered. A fair quantity of Dutch has been sold in London.

ROSIN is cheaper. Finest pale is quoted 15*s.* 6*d.* to 17*s.*; French virgin, 11*s.* to 14*s.* 6*d.*; fine to very fine, 12*s.* to 14*s.* 6*d.*; and dark to good, 8*s.* 9*d.* to 11*s.* 6*d.* per cwt.

SAFROL is offered at 1*s.* 11*d.* per lb. spot.

SAL AMMONIAC has been advanced 5*s.* per ton. First quality lump is now 49*l.* and second quality 47*l.*; ground is 49*l.* to 51*l.*

SALICYLATES are offered at the lower rates of from 3*s.* 3*d.* to 3*s.* 6*d.* per lb. for the *acid*, and technical quality at from 2*s.* 6*d.* to 3*s.* *Soda* is quoted at from 3*s.* 3*d.* to 3*s.* 9*d.* per lb.

SASSAFRAS OIL.—Natural American is quoted at 3*s.* 3*d.* per lb.

SHELLAC.—Quiet, with the usual TN quality offering at 54*s.* to 55*s.* spot.

TANNIC ACID is quoted at from 3*s.* 6*d.* to 4*s.* per lb. for leviss B.P.

TARTARIC ACID.—Quite nominal, at from 2*s.* to 2*s.* 0½*d.*

THYMOL is offered in limited quantity at 40*s.* per lb.

TURPENTINE has declined 1*s.* 3*d.* per cwt. to 29*s.* 9*d.* for American on the spot, and October-December delivery is quoted 30*s.* 4½*d.* Fairly large arrivals have taken place. French is quoted 32*s.* 6*d.* to 32*s.* 9*d.*, and Russian 27*s.* to 30*s.* for ordinary and rectified.

WINTERGREEN OIL.—Business has been done in genuine American (distilled from *Betula lenta*) at 8*s.* 6*d.* per lb.

The Week's Arrivals.

During the period September 17 to 23 inclusive the following drugs, chemicals, and allied products have arrived at the principal English ports. Where not stated, the figures denote package:

Acetate of lime (New York) bgs. 797, (Antwerp) bgs. 259	Dextrin (Amsterdam) ...	10
Acetic acid (New York) brls. 218, (Rotterdam) drms. 500, blns. 198, hds. 72	Egg-yolk, frozen (Hankow) ...	14,786
Acetone (Havre) (drms.) 67	Ergot (Oporto) ...	11
Albumen (Rotterdam) cs. 59, (Shanghai) cs. 16, (Havre) 11	Essential oils (Messina) pkgs. 494, (New York) cs. 4	
Almonds (Spain) (pkgs.) 847	Farina (Holland) pkgs. 1,813, (Harlingen) bgs. 2,430, (Fiume) 100	
Ammonia (Philadelphia) (cyls.) 285	Fig syrup (U.S.A.) (cs.) 3,000	
Aniline colours (Genoa) brls. 215, (Antwerp) 34	Fish oil (Kobe) ...	1,000
Aniseed (Alicante) ...	Formaldehyde (New York) 238	
Antimony (Hankow) (cs.) 1,750, (Japan) 475	Formic acid (Rotterdam) (blns.) 68	
Apricot-kernels (Rotterdam) 10, (Spain) 20	Formol (Havre) ...	6
Argol (Spain) cks. 208, (Sicily) 316	Glucose (Rotterdam) 25, (New York) 2,097	
Arsenic (Antwerp) (cks.) 50	Glycerin (Amsterdam) drms. 2, cs. 10, (Rotterdam) hds. 22, (Ghent) drms. 8, (Australia) drms. 27, (Spain) drms. 40	
Barium chloride (Antwerp) ...	"Gum" (Adelaide) bgs. 451, (Bombay) pkgs. 44	
Barytes sulph. (Antwerp) (cks.) 72	Gum acacia (Port Sudan) bgs. 1,143, (Rotterdam) cs. 242	
Boric acid (U.S.A.) (pkgs.) 441	Gum copal (Rotterdam) cs. 122, (Antwerp) pkgs. 6,258, (W.C. Africa) sks. 15,019, (Singapore) 48, (Zanzibar) cs. 10	
Caleium carbide (Sweden) (drms.) 530	Herbs (New York) ...	17
Camphor (Kobe) (cs.) 100	Indigo (Rotterdam) (cs.) 29	
Canary-seed (Malaga) 525, (Amsterdam) 100	Isinglass (Havre) ...	12
Capsicums (St. Malo) 97, (Havre) 16	Lead acetate (Rotterdam) cs. 204, kegs 260 in tr	
Caramel (Rotterdam) ...	Lemon oil (Palermo) pkgs. 15	
Cardamoms (Colombo) ...	Lime-juice (Dominica) pns. 235, hds. 42, drms. 16	
Caraway-seed (Amsterdam) bgs. 10, (Rotterdam) 223	Linseed (Calcutta) bgs. 156,343, (Buenos Ayres) bgs. 5,524, (Marianople) cwt. 11,000, (Las Palmas) sks. 9,277, (Antwerp) tons 972	
Cascara sagrada (bgs.) 576	Liquorice (Antwerp) (cs.) 21	
Castor oil (Italy) (cs.) 35	Liquorice-paste (Smyrna) (cs.) 300	
Castor-seed (Calcutta) (bgs.) 12,923	Lithopone (Amsterdam) 40, (Rotterdam) 180, (Spain) 10	
Chemical products, etc. (Dieppe) pkgs. 5, (Dunkirk) pkgs. 265, (New York) pkgs. 335, (Gothenburg) cs. 60	Medicinal plants (St. Malo) (pkgs.) 13	
Chillies (E. C. African) 50	Medicines (Boston) cs. 25, (New York) cs. 196, cwt. 24	
Cinnamon (Havre) ...	Nut oil (Rotterdam) dms. 180, hds. 60, (Amsterdam) drms. 95	
Citric acid (Palermo) (cks.) 260	Nux vomica (Singapore) 89	
Cochineal (Tenerife) ...	Olive oil (Spain) brls. 287, cs. 140, (Greece) brls. 160, (France) cs. 680	
Cocoa-butter (Rotterdam) 67	Opium (Smyrna) cs. 36, and 12 in tr., (Havre) cs. 9	
Coconut-oil (Sydney) 339, (Rotterdam) 110	Oxalic acid (Antwerp) (brls.) 15	
Cod-liver oil (Rotterdam) cs. 150, (Aalesund) brls. 30, (Bergen) 90		
Cotton-seed (Alexandria) tons 4,380, (E.C. African) bls. 6,888, (Bombay) bgs. 29,561		
Cotton-seed oil (U.S.A.) (brls.) 300		
Cream of tartar (Bordeaux) 26, in tr. 474		
Croton-seed (Colombo) ...		
Drugs (Dieppe) pkgs. 7, (Havre) pkgs. 102		

Palm oil (W.C. Africa) (cks.)	1,659	Senna (Port Sudan) ...	39
Pepper (Havre) ... (New York) ... (es.)	422	Shellac and button lao (Calcutta) ...	50
Potash bromide (New York) ... (es.)	660	Soda (Sweden) ... (cs.)	70
Potash carb. (Rotterdam) cks. 8, (Novorossisk) cks. 252, (Copenhagen) 100		Soda, caustic (Rotterdam) ... (cs.)	4
Potash caustic (Antwerp) (drms.)	263	Soda hypo (U.S.A.) pkgs.	380
Potash chlorate (Havre)	340	Soy (Kobe) ...	25
Potash cyanide (Valencia) (cs.)	40	Soya-bean oil (Rotterdam) (hhds.)	60
Potash iodide (Kobe) (cs.)	20	Soya beans (Vladivostok) tons	2,650
Potash nitrate (Rotterdam) ...	24	Sozodont (New York) (cs.)	16
Potash perchlor. (Gothenburg) ... (cs.)	10	Sulphur (Antwerp) bgs.	
Potash prussiate (Osten) 35		200, (Seily) bgs. 4,245	
Potash sulphate (New York) bgs. 200, (Guernsey) bgs. 56		Tartar (Spain) 571, (Italy) cks. 32, (France) 12	
Potashes (Montreal) (brls.)	17	Tartaric acid (Bari) (brls.)	26
Quinine (Holland) (cs.)	60	Turpentine (Malaga) 60, (U.S.A.) brls. 1,755, gal. 254,980, (France) cks. 200	
Rape-seed (Rotterdam) 23, (Shanghai) 6,120, (Marienopol) cwt. 2,400		Vanillin (Holland) ... (cs.)	14
Rape-seed oil (Kobe) (cs.)	4,481	Vaseline (New York) ...	14
Roots, etc. (New York)	10	Wax, bees' (Lisbon) ...	192
Rosin (U.S.A.) brls. 11,160, (Bordeaux) 17		Wax, paraffin (Amsterdam) 715, (U.S.A.) 2,740, (Rangoon) 3,360	
Saffron (Alicante) pkgs.	42	Wax, vegetable (Japan) (Kobe) ... (cs.)	50
Saltpetre (Montreal) pkgs.	118	Wine lees (Alicante) ...	1,552
Sanatogen (Hamburg) Sept. 3 ... (cs.)	12	Wood oil (H. Kong) cks.	
		990, drms. 30	
		Yellow berries (Greece) 98	
		Zinc oxide (Rotterdam) 125, (New York) 3,103	

Heavy Chemicals.

A fairly steady business continues to be done in the heavy-chemical market, though the demand is limited to near requirements. Certainly the conditions are not so irregular as they were, but nevertheless many consumers are still unable to gauge what their position will be only a short time hence. Values continue as recently reported—viz., in the majority of instances more or less nominal.

SULPHATE OF AMMONIA.—This market is quiet, and the tendency is rather towards decline. The varying ideas of sellers and buyers as regards price prohibit business of moment. Present nearest figures: London terms, 25-per-cent., 9*l.* 12*s.* 6*d.*; Leith, 10*l.* 12*s.* 6*d.*; Liverpool, 10*l.* 10*s.*; and Hull, 10*l.* 7*s.* 6*d.*

In **TAR-PRODUCTS** there is practically nothing doing. Benzol, 90-per-cent., nominally 1*l.* 1*d.*, and North, 11*d.* naked.

LEAD-PRODUCTS in fair demand. White-lead, 29*l.* to 30*l.*; red-lead, 24*l.* 10*s.*; and pig-lead, 21*l.* per ton Tyne.

Main **ALKALI-PRODUCTS** are as before. Yellow prussiate of potash, 1*s.* 7*d.* to 1*s.* 9*d.*, and soda, 8*d.*; bichromate of potash, 7*d.* to 7½*d.*

American Drug Market.

New York, September 7.

Owing to the European war trading in drugs has been active all during the month. Mail and telegraphic orders have been received from all sections of the country in large numbers. The readjustment of prices, however, from the high levels reached in the sharp uplift of the last three weeks has commenced, and the frantic attempts of consumers to obtain abnormally large supplies in a market poorly supplied has ceased. In some instances holders of botanical drugs and chemicals decline to name any prices, except upon each inquiry or order. Prices are subject to change momentarily and without any notice to buyers.

CARBOLIC ACID.—Prices have been generally withdrawn. As high as 60c. per lb. has been paid in some quarters.

CITRIC ACID.—The situation is similarly acute, manufacturers having withdrawn from the market, due to the scarcity of the raw material, while second-hands have made sales at \$1.50 per lb.

CODEINE is still maintained at \$7 per oz. for the alkaloid and \$6.75 for the sulphate in bulk lots.

COPAIBA.—Though South American is still being offered at 42c. and 45c., Para is quoted at 45c. and 45c.

GLYCERIN.—Business in all descriptions is at a standstill, as most distillers are finding it impossible to accept new business, as they need all they can produce, and also all they have on hand, to fill outstanding contracts.

MENTHOL.—Japan's action in joining in the hostilities aroused some uneasiness on the score of future shipments. However, this uneasiness has now subsided, and quotations are made at \$4.50 per lb., and in some instances at \$4.25.

MORPHINE.—Makers continue to hold their output firmly on a basis of \$5.30 per oz. in bulk in 50-oz. lots in one delivery.

OIL, PEPPERMINT (AMERICAN).—In view of the proximity of new-crop offerings and the prospects for a large yield in

Michigan and Indiana, holders have lowered their prices for most brands to \$2.35 and \$2.50.

OPTUM is no longer being offered in case lots, but importers are supplying the demand for the gum in jobbing lots at \$9.55.

QUININE.—Even at the high level now commanded (31c. per oz. in 100-oz. tins) makers are reluctant to sell their output except in a limited way. Higher prices are looked for.

SARSAPARILLA.—Mexican is easier. The demand recently has been high, with sellers at 25c. to 28c.

COMING EVENTS.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be sent to the Editor by Wednesday of the week before the meetings, etc., occur.

Wednesday, September 30.

Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C., at 11 A.M. Council-meeting. At 3 P.M. opening of the session of the School of Pharmacy, presentation of the Pereira medal and inaugural sessional address by Dr. E. Laing E. Shaw, F.R.C.P.

Manchester Chemists' Assistants' Association, Medical School, Coupland Street, at 8.30 P.M. Dr. Stopford's First-aid lectures begin.

Thursday, October 1.

North London Pharmacists' Association, St. Padarn's, Saltorton Road, Seven Sisters Road, Holloway, N., at 3 P.M. Discussion on "How to help each other in the present crisis."

Great Yarmouth Pharmaceutical Association, 156 King Street. Monthly meeting.

THE WESTERN PHARMACISTS' ASSOCIATION.—The winter session will be opened on October 8 by a reunion at Frascati's Restaurant, Oxford Street, London, W.

Our American Letter.

(Special Correspondence to the "C. & D.")

The Harrison Bill, dealing with the trade in narcotics, has been subjected to several alterations in the Upper House of Congress. The most important is the exemption of physicians, dentists, and veterinary surgeons from the necessity of keeping records of the quantities of narcotics dispensed. This exemption was made because of the opposition of the medical profession, but it is felt by pharmacists that it is distinctly unfair to exempt dispensing doctors from provisions to which pharmacists are subjected.

German Synthetic Drugs.—Herman A. Metz, president of the Farbwerke-Hoechst Co., interviewed by the "American Druggist" regarding the manufacture of synthetic drugs in the United States, said:

No. I do not think there is any possibility of engaging in the manufacture of these products here, even if there were patent laws to compel the carrying-out of patents in this country and manufacturing goods protected under such patents. England has tried this, with the result that the Germans established plants in England, where they carried out just enough of the process to cover the patent, depending upon Germany for all raw materials and intermediate products. The result is that, in spite of its laws, England is stranded high and dry. Only to-day I received a cable from the Manchester branch of the German plant, asking if we could send any salvarsan to Europe for the English Government. . . . It has taken half a century for Germany to reach its present place in the chemical industry. England originated it, and Germany depended upon England for a large part of its raw materials; then France took it up, but to-day France and England both are negligible factors in the industry as a whole. The net result of the British patent-limitation has only benefited Great Britain to the extent that it has brought two or three plants in the chemical line to England, employing only a small amount of labour, because the chemical industry requires less labour in proportion to the value of the product turned out than any other industry. They obtain all their raw materials from Germany, and compel the English public to pay, in addition to the cost of the drug or dye in Germany, the cost of amortisation of the plant in England during the life of the patent.

[These remarks by Mr. Metz should be considered by our Comptroller-General of Patents when applications for the use of chemical patents come before him.—EDITOR C. & D.]



Memoranda for Correspondents.

All communications must be accompanied by the names and addresses of the writers, otherwise they cannot be dealt with. Queries by subscribers on dispensing, legal, and miscellaneous subjects connected with the business are replied to in these columns if they are considered to be of general interest. Correspondents are requested to write each query on a separate piece of paper. Every endeavour is made to reply to queries without delay, but insertion of the replies in "the next issue" cannot be guaranteed, nor, as a rule, can they be sent by post. Letters submitted for publication (if suitable) should be written on one side of the paper only. Their publication in "The Chemist and Druggist" does not imply Editorial agreement with the opinions expressed.

Medical Treatment of Soldiers' Folk.

SIR,—Since the minimum living allowance is not granted to the dependants of those with the Colours it follows that very little will be available in cases of sickness, hence the plan of ministering to this need affords pharmacy a chance of showing its mettle. By the time this appears the lists will be completed, and in many cases, owing to the absence of data for which the Insurance Act is no guide, acceptances will have been made with many misgivings. Chemists in well-to-do suburbs will scarcely be affected, and the not uncommon spectacle will be witnessed of those in industrial and poorer districts being called upon to bear the brunt of the work and the greater sacrifice. I think in this matter we might show a finer co-operative spirit and start a supplementary fund among ourselves in order to give a compensatory balance to those who are called upon to dispense more than a certain proportion each week. We could all join in, and should the money not be needed for the purpose, it might be handed over to the Prince of Wales' Fund for the provision of work for the necessitous. In any case something might be done in order to distribute whatever stress or burden there may be more evenly over the profession.

Yours faithfully,

Holloway, N.

HERBERT SKINNER.

Position of Pharmacists in the British Army.

SIR,—I quite agree with the decision of the Irish Pharmaceutical Council to approach the War Office to give a proper standing to pharmaceutical chemists in the Army. I remember speaking to some men who had been through the South African campaign, and they complained that there they had neither position, power, nor authority to do anything as regards preparing stores, stocks, etc., or any of the necessary arrangements for the effective and economical working of that branch of the Service. The same will occur again unless they are firm enough to demand the means of doing what is right instead of being afraid of being called unpatriotic in the present crisis. It is the highest form of patriotism to aid, even in a small way, the successful working of a branch which has the welfare of the actual fighting man at heart, and when wounded to lessen his sufferings to the best of their trained ability and with due economy to the State. All the other nations appear to find it essential to create a pharmacists' rank, and I think we can all learn a bit from observing them.

Yours faithfully,

Cork.

J. W. HARVEY.

Payment of Insurance Accounts.

SIR,—I think chemists are as patriotic as any other section of the community, and no one of us would do anything to embarrass the Government while it is prosecuting a big war to what we all hope and believe will be a successful ending. But why are not our accounts met more promptly for National Health Insurance dispensing? I presume Cabinet Ministers and ordinary members of Parliament will still draw their salaries in spite of the war, and we ought to be able reasonably to

expect all money due to us up to the ending of the July quarter at least. The depletion of the Drug Fund in the over-spent areas is a matter of great interest to us who have the misfortune to work in these areas, but it seems to me that this depletion is a matter entirely beyond our control. To put things in plain English we are "in the cart." We are bound to dispense any prescription presented to us, from the modest one of pulv. acid. boric. 1 oz., with direction, priced at $\frac{1}{2}d.$, to more complicated ones running into the shillings. The medical men control the cost of the prescriptions, we price by Tariff; and if we err on the side of overcharging, inadvertently, of course, the checker remedies this little defect with promptitude which is in great contrast to that of payment. At the present moment it comes to this, that the more National Health Insurance dispensing we do the less likely are we to get paid for it. We are told we have gained in status—i.e., that of being recognised as fit and proper persons to dispense for his Majesty's insured subjects. But the knowledge of this, unaccompanied by prompt payment for our services, will not help us to pay our bread bills, let alone our drug bills. It cannot be denied that the advent of the Insurance Act has dealt the death-blow at the most profitable section of the chemist's business—his proprietaries. The British public reason, and rightly, I think, that they have to pay their contributions willy nilly, and therefore they are going to have their money's worth. We have no control at present as to what they shall be supplied with, except that it must be up to the standard laid down for us. We ought, in common fairness, to be paid for actual goods supplied. Personally all I have got out of the National Health Insurance dispensing is the "status" before referred to and a permanent overdraft at the bank, on which I have to pay 5 per cent. interest, which overdraft would be non-existent if prompt payment were made by the Insurance Commissioners. Add to this the continual worry and strain of an increased and (at present) unremunerative portion of a business, and the greatly augmented stock of drugs which one has to carry, and I have come to the conclusion that the "game is not worth the candle," and shall avail myself of the privilege of going off the panel as soon as possible unless a great change for the better takes place in the method of paying us. We have Belgian relief funds, etc., to all of which I subscribe as far as my means will allow, and farther sometimes; but if things go on as they are now much longer, you will have to show your compassion on us by initiating a "Panel Chemists' Relief Fund." If off the panel by then, I should hope to be in a position to give you a handsome subscription (which I could not do at present) towards same.

Yours faithfully,

BRISTOLIAN. (93/20.)

[The payment of Insurance accounts rests with the Insurance Committees in the counties and county boroughs. There is no evidence that the Commissioners have been remiss in crediting these Committees with what is due for the localities; hence inquiry, and pressure if need be, should be concentrated on the Insurance Committees through the Pharmaceutical Committees. Many factors in local administration, including irregularities on the part of panel chemists, delay payment by local Committees, and it is to be hoped that "Bristolian's" letter may serve in calling attention to these.—EDITOR C. & D.]

Insured Persons and the Bottle Question.

SIR,—It is to be hoped that the present admirable system of charging Insurance Committees for bottles destined to contain liquid scheduled poisons will not be discontinued. It is quite certain that if the insured person were required to provide his own bottle for such liniments as aconite, belladonna, etc., he would have difficulty in finding a bottle distinguishable by touch among his household goods. The result would be disastrous. Castor-oil and all other bottles, so long as they were blue in colour, would be used freely, and a trumpery poison slip-label, gummed to the side of the bottle, might be accepted, in time, as the only safeguard afforded to a patient, for no other reason than that he happened to be an insured person. This kind of game may have passed, or may pass, muster at small hospitals and dispensaries of the third and fourth rate, where economy

and profit are the first consideration. It is the duty of registered chemists, however, to see to it that, come what may, the Pharmacy Acts are not infringed. An adequate supply of regulation poison-bottles—even if they must be given away free of charge—is of as great importance as the dispensing of N. H. I. prescriptions by, or under the supervision of, persons registered under the Pharmacy Acts. Yours, etc.,

Islington, N.

G. E. OLIVER.

Lysol.

SIR,—In reply to letter in last week's *C. & D.*, signed Chas. Zimmermann, he need be under no misapprehension as to the clearness of my letter. It distinctly stated that the questions pertain to lysol previous to the declaration of war—all but the last question, which, of course, must involve his own firm, and which he very adroitly omits to answer. This question is, Have the firm of Chas. Zimmermann & Co., Ltd., purchased the rights of lysol? If he will be good enough to answer this question, then I will deal with his letter in detail.

Yours faithfully,

Dumbarton.

PATRICK MITCHELL.

SIR,—I have been following with interest the correspondence in your columns *re* lysol. Reading carefully the reply of Mr. Zimmermann in your issue of September 19, I fail to see any mention of the principal point, or what I take to be the crux of the subject—viz., Have Messrs. Zimmermann taken over the sole right to make lysol in England, and so are the actual as well as the nominal owners? Or is there a certain fixed percentage of profit made by Messrs. Zimmermann to be transmitted at the earliest to Hamburg? If this latter assumption is correct, then all British subjects concerned in manufacturing, selling, and advertising lysol “are trading with the enemy,” contrary to Proclamation, and are aiding and abetting in the continuance of the war. In your editorial you say, “What is prohibited is trade with *any* firms established in hostile territory.” As the main aim of all trading is profit, otherwise money, unless Messrs. Zimmermann can give absolute point-blank denial and proof that no money whatever, or its equivalent, will be at any time transmitted to Hamburg on lysol account, one is quite justified in still believing that in purchasing lysol at present we are trading with the enemy. Further, if Messrs. Zimmermann are the owners of lysol, why are they applying to the Courts for the use of the trade-mark word Lysol? At the moment I fail to see that Messrs. Zimmermann have any more right to use the word and trade-mark of Lysol than any other firm in the British Isles until the present applications before the Courts are heard and decided.

Yours truly,

Bradford.

D. S. PRIESTLEY.

[See report of proceedings on p. 66.]

Subscribers' Symposium.

For questions, answers, incidents, and interchange of opinions among “*C. & D.*” readers.

Lachnanthes Plant.

“Where can I obtain some fresh herb *lachnanthes*, or, failing that, the seed?”—G. W. (89/23). [The habitat of *Lachnanthes tinctoria* is the “damp soil in the pine-bearing regions along the Atlantic coast and in Cuba.” Some reader may be able to inform us whether seeds are obtainable.—ED.]

A Good Business-bringer.

M.P.S. (171/91) writes: “In the *C. & D.*, November 4, 1911, p. 59, there appeared an article on ‘A New Side-line,’ this being a high-class pickle. With my wife’s assistance a trial batch was made. This being a success, the following year (1912) we made about 100 lb. The small jar sent herewith is one from that last batch. The reason I am writing is to thank you for introducing me to such a good business-bringer.”

The Positor.

“Seeing the reference on p. 57 of your issue of September 19 to ‘positors,’ we are sending you an ancient specimen of one which we used to make regularly in the ‘seventies and ‘eighties. They were generally known then as ‘sup-

pository-tubes,’ and were used for the rectal introduction of suppositories. Of late years their sale has almost died out, although we do get a stray order for them on rare occasions.”—Burge, Warren & Ridgley, Ltd. (81 and 92 Great Saffron Hill, E.C.).

[The specimen sent is made of black vulcanite, the barrel being perfectly cylindrical, $3\frac{3}{4}$ in. long, and the total length, $4\frac{1}{2}$ in., is the same as the one figured last week, as the top of the piston is flat. May, Roberts & Co., Ltd., also inform us that they still have positers in stock.]

Insurance Prescribing in Birmingham.

Ph.C. (93/39) writes: “The following prescriptions show what we are coming to in Birmingham with regard to National Health Insurance work:

(1) Liq. ammon. acetat. ... 5ss.
Aq. font. ad ... 3ss.

4tis horis. Mitte 3vij.

(2) Mist. sodii c. calumb. ... 3vij.
5ss. t.d.s. (Aq. font.)

(3) Potas. bromid. ... 5j.

Sig.: As directed.

No. 2 is in our local Pharmacopoeia, and is composed of 10 gr. of sod. bic. to 5j. inf. calumb. The patient that No. 3 was prescribed for has usually had this quantity in an 8-oz. bottle: one tablespoonful dose. This is evidently a war prescription to save the Commissioners a twopenny dispensing-fee. By the way, this man had a penny refunded on a bottle. The professional side of our calling is now recognised by the State!”

Pencils of Carbon Dioxide.

“Has attention been called to the electrical phenomenon observable in making the solid pencils of carbon dioxide? The method we employ in making these, which I suppose is more or less general, is to allow the liquefied gas in the cylinders to expand suddenly against external pressure—the fall in temperature thus produced being sufficient to cause solidification. The ‘snow’ is collected by placing a hollow cylinder of bibulous paper (made by rolling the paper on a wooden cylinder of suitable diameter and binding round with an inch bandage) over the orifice leading to the gas-cylinder. At this stage the series of electric sparks passing between the bandage and the hand holding it produces quite a pricking sensation, and the sparks are easily visible in the dark. I do not know if the phenomenon is explained or explainable by the modern theories of electrification. It occurred to me that it may be a case of transformation of the latent heat energy that is necessarily liberated during the sudden change of state. I should like to be enlightened on the point, which has aroused my curiosity.”—A. Q. Barton (Chester).

Legal Queries.

The majority of difficulties in regard to trade law are anticipated by the legal information printed in “The Chemist and Druggist Diary,” 1914. See especially pp. 459-499.

L.P.S.I. (93/65).—Apprenticeships are among contracts which, if they last for more than one year, are not enforceable unless they have been reduced to writing and duly stamped.

Bec (84/33).—The label for the lozenges will enable them to be sold by a registered chemist or other exempted person without payment of medicine stamp-duty, and non-exempted persons may sell them in a twist of paper unstamped, but not if the lozenges are put up in a packet.

G. E. O. (98/41).—Ferrocyanides, ferricyanides, and sulphocyanides are not “cyanides” within the meaning of the Pharmacy Act, 1868, and the Poisons and Pharmacy Act, 1908. See the *C. & D. Diary*, p. 474. Cyanides are in a different class chemically from these others; practically all cyanides are deadly poisons, and few of these others are so on account of their acid radicle (which is the toxic part of a cyanide).

G. (93/73) asks whether it is possible to give his wife good security for a loan otherwise than by a bill of sale. Where can forms of wills and mortgages be purchased? [He can give his wife any form of security that he could give to a stranger—for example, a mortgage. Forms of wills and mortgages are supplied by the Solicitors' Law Stationery Society, Ltd., and Jordan & Sons, Ltd., of Chancery Lane, London, W.C., and are obtainable from most large stationers, but their use in inexperienced hands is to be deprecated.]

George (92/46).—The Board of Customs and Excise have given permission to registered chemists and druggists to use mineralised methylated spirit in the preparation of lotions for external use prescribed by duly qualified medical practitioners (see *C. & D. Diary*, 1914, p. 498). We should think that this permission would cover the dispensing of a liniment prescribed by a panel doctor and consisting of 2 oz. each of lin. camph. co. meth. and lin. opii meth. Strictly speaking, the latter liniment cannot be prepared wholly with methylated spirit, as the Revenue authorities have not given permission for tincture of opium to be prepared with that spirit; but we think the permission quoted in the *Diary* enables you to dispense the Insurance prescription for the liniment with the methylated preparations.

Miscellaneous Inquiries.

We do not undertake to analyse and report upon proprietary articles, and when samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how.

We do not as a rule repeat information which has been given in this section during the past twelve months, as it occupies space which can be more profitably utilised for other information. In such cases the numbers are mentioned, and if querists cannot refer to these they may obtain the numbers from the "C. & D." Office at the published price, usually 6d.

J. V. H. (89/24).—(1) **HYPO-ELIMINATORS**.—Water is the best eliminator of sodium hyposulphite from photographic negatives. The chemical agents also employed are as follows:

1.	2.
Ammonium sulphate per- ... 25 gr.	Potassium carbonate per- ... 25 gr.
Sodium carbonate 50 gr.	Water ... 10 oz.
Water ... 10 oz.	

The plate, after fixing and rinsing, is soaked in either of the above solutions for five minutes, using several fresh portions of the solution selected. (2) **METOL-QUINOL DEVELOPER**.—The following is a good formula for a one-solution developer:

Metol ...	50 gr.
Quinol ...	40 gr.
Sodium sulphite ...	1 oz.
Sodium carbonate ...	1 oz.
Potassium bromide ...	25 gr.
Water to ...	20 oz.

Dissolve in the order given.

(3) PHOTOGRAPHIC MOUNTANT:

White dextrin ...	2 oz.
Spirit ...	1 oz.
Boiling water ...	6 oz.

Dissolve the dextrin in the water, and when nearly cold add the spirit.

(4) Formalin or oil of cloves is used for preserving shop-paste; either answers well.

C. & Co. (232/36).—(1) **HOOSE IN CALVES**.—Interracheal injections are probably the most effective method of treating the parasites in the smaller bronchi of the calf which causes the disease known as hoose or husk. The inhalation method is, however, much employed in connection with the following draught:

Tincture of asafetida ...	5ij.
Turpentine ...	5j.
Linseed oil to make ...	3iv.

The inhalation, of which a sixth part is mixed with hot bran in a nose-bag and tied to the animal's nose, is as follows:

Carbolic acid ...	3iv.
Turpentine ...	5j.
Glycerin to make ...	3vj.

There are fuller directions for using these remedies in "Veterinary Counter-practice." (2) **ACID FOR PREPARING BRASS FOR ENGRAVERS**.—We think you are referring to *dipping acid*, which is a mixture of—

Sulphuric acid ...	4 parts
Nitric acid ...	2 parts
Water ...	2 parts

This is used in the open air when cold. The articles are dipped in the acid and then plunged into water.

Puzzled (243/31).—(1) **EXTRACT OF MALT AND COD-LIVER OIL** does not carry a dispensing-fee universally; for instance, the London Insurance Committee pay a dispensing-fee, and the Middlesex Committee do not. We think the majority of Committees are like Middlesex. The fee for this

preparation is largely responsible for discounting of chemists' accounts. (2) The prescription you give (tr. quin. ammon. with mucilage in mixture) is not an emulsion, but a suspension, therefore it is not permissible to charge an emulsion-fee.

J. A. (76/26).—**TRANSPARENT MIRRORS**.—We do not know the working details of the manufacture of transparent mirrors, but they are understood to be made by the use of a paste prepared by the alkaline reduction of mercury salts in the presence of protein substances or of specially finely divided amalgams of tin and mercury. Some adhesive is added to the paste.

T. A. H. (84/50).—**MEDICATED SOAP**.—We do not recollect having given formulae for medicated soap with a wood-pulp basis, although we are aware that mixtures of wood-pulp and soap have been employed for cleaning the hands. We published some years ago a paper by Messrs. Cowley and Catford on medicated soaps, in which the authors proposed the following general formula:

Lard ...	100 grams
Yellow beeswax ...	19.2 grams
Pure caustic soda ...	15 grams
Alcohol (90-per-cent.) ...	60 c.c.
Medicament (say, 1-per-cent.) ...	1.8 gram

Melt the lard and the wax together, dissolve the soda in the smallest possible quantity of water, and mix it with the alcohol; let the alcoholic soda stand on a water-bath in a vessel with a funnel in the neck until it is of the same temperature as the fat, then mix and stir until quite clear; pour into the mould while fluid.

T. S. M. (Lahore) (22/7).—(1) **GLYCERIN SUPPOSITORIES**.—The formula of the United States Pharmacopoeia is the one followed when the highest percentages of glycerin are desired. The analytical question we dealt with in the *C. & D.*, August 8, p. 64. (2) Greenish's translation of Dragendorff's "Plant Analysis" was published in 1885, and is long since out of print. A copy could probably be obtained by advertising in our Coloured Supplement, but the work is now mainly of historic interest.

C. F. L. (84/8).—(1) We do not know of any special tree-branding compound; tar or white paint is generally employed. (2) It is gum chicle that gives to chewing-gum its distinctive properties. The last few indices of *THE CHEMIST AND DRUGGIST* will supply references to this gum.

F. C. (38/35).—**CLEANING ENGRAVINGS**.—We explained the methods in the *C. & D.*, November 1, 1913, p. 66, which are those that could be applied to valuable prints. Care and experience are, however, requisite, or irreparable damage may result to the engraving.

Lab (83/15).—**COPYING-INK PENCILS**.—See *C. & D.*, April 11, p. 66.

J. J. S. (95/44).—**NITRIC-ACID STAINS** on the fingers or nails cannot be removed by chemical agents. The yellow epidermis will be replaced by new skin in a few weeks, and in the same way the growth of the nails will in time obliterate the disfiguring stains to which you refer.

A. C. C. (93/24).—We have never examined the proprietary remedy to which you refer, and so can give you no idea of its composition.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Sept. 15, 1864.

The Sale of Poisons.

The Report lately issued by the Medical Officer of the Privy Council comprises some observations by Dr. Alfred Taylor on the sale of poisons which we cannot disregard, especially as they have given rise to an article in "The Times" which is calculated to mislead the public and injure all chemists and druggists. Dr. Taylor declares that the administration of poison causes death and disease in England to an alarming extent, and demands the direct interference of the Legislature with the sale of poisons. He has much to say respecting the facility with which poison may be obtained for criminal purposes, and the danger which arises from the carelessness and ignorance of druggists. Upon the first point he remarks: "So long as a person of any age has the command of threepence he can procure a sufficient quantity of one of the most deadly poisons to destroy the lives of two adults." This is perfectly true, but it is absurd to suppose that the deadly poison can only be obtained at the druggist's shop. The salts and colours which are used for the everyday purposes of life are quite as deadly as the articles used in medicine.

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It's free. We want you to learn how this rich, creamy lather soothes and heals the face. When you have tried it you will WANT to recommend it to every man who comes into your shop.

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This Bicarbonate answers all the requirements of the British Pharmacopœia. It is a pure, refined, and recrystallised salt, particularly free from metals or any base other than soda. This sodium bicarbonate is specially suitable for the preparation of granular effervescent preparations and salines, seidlitz powders and baking powders, and is well adapted for other medicinal and domestic purposes. It is the purest and cheapest sodium bicarbonate made.

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This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

Pure Alkali.
58 Degrees.

A dry, white powder: dissolves quickly and easily in water, making an excellent detergent for use by printers, bleachers, dyers, and for bottle washing. Is nearly equal to 99 per cent. carbonate of soda; is much used by glass, paper, and soap makers. The best alkali for soap powders and washing powders.

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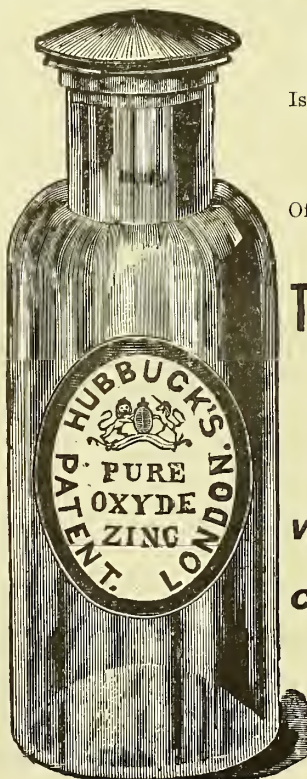
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A definite Chemical Compound, answering British Pharmacopœia and all other Official Tests.

Is extensively used in the principal Hospitals and Infirmaries. The purity and excellence of Chloroform do not depend on the sources of its preparation, but on the skill and care with which it is prepared.

"Comparing 'pure,' 'Methylated,' and other Chloroforms, no evidence is afforded of any kind being safer than another."—BRIT. MED. ASSOC., Report of the Anæsthetics Committee, July 1900.

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Proprietor:

E. Burgess.

May 22, 1914.

Having joined the Manufacturers' Section of the P.A.T.A., my wholesale prices have been revised. Below are the prices which came into effect on May 1. I trust that by trying to meet with the views of the Trade generally I shall also meet with your appreciation and support.

Minimum Retail. Per doz. net.			Minimum Retail. Per doz. net.			Minimum Retail. Per each net.		
½ oz. (7½d. size) ...	7/6½	5/3	3 oz. (2/9 size) ...	2/6	24/-	16 oz. (11/- size) ...	10/-	8/-
1 oz. (1/1½d. size) ...	1/-	10/-	6 oz. (4/6 size) ...	4/-	38/6	36 oz. (22/- size) ...	18/6	14/10

Carriage Paid on orders over £2.

From "THE ANTI-CUTTING RECORD."

"It is now nearly 11 years since the movement which resulted in the formation of the P.A.T.A. was inaugurated. Amongst the first of the fighters for protected profits was Mr. Davenport, the proprietor of **COLLIS BROWNE'S CHLORODYNE**. At a time when the Association had a few supporters and looked rather like being crushed by the opposition which it encountered, Mr. Davenport's assistance came very opportunely, and dealers in Chlorodyne might well bear this fact in mind when selecting a brand to sell to their customers. We think that those who helped to lay the foundation of the P.A.T.A. are entitled to special consideration at the hands of those whom the Association has so much benefited. It should always be remembered that the pioneers ran much heavier risks than those who have come in on the flood-tide after the success of the movement was assured, although of course we are in no sense despising or underrating the importance of more recent converts to the Association, and do not for a moment suggest that they should not be supported. All those proprietors who have stood by the P.A.T.A. through thick and thin ought to be put in an exceptional position in comparison with those who have never done a thing for the trade. If chemists *must* substitute (and it really seems as if some of them can hardly restrain their propensities), surely they might confine their operations to the goods of those makers whose motto is 'Self, and self alone.' We think no fair-minded retailer will, after full reflection seriously blame the P.A.T.A. Council for insisting that substitution must cease when the proprietor loyally does his part."

Purchasers must NOT be asked to sign a Poison Book.

Dr. J. Collis Browne's Chlorodyne

The ORIGINAL and ONLY GENUINE.

"The original Chlorodyne as manufactured from the recipe of Dr. J. Collis Browne is perhaps in greater demand now than it has ever been before. It has been on the P.A.T.A. List since 1897, as readers are no doubt aware. J. T. DAVENPORT, Ltd., 117 Union Street, S.E., have been the sole manufacturers of this article for upwards of forty years."

Pharmaceutical Journal, October 22, 1904.

PRICES AND TERMS.

Size	...	...	...	...	1/1½	...	2/9	...	4/6	...	11/-
Minimum Retail Price	...	...	...	...	1/-	...	2/6	...	4/-	...	10/-
Price to Trade (per dozen)	...	...	...	...	10/-	...	26/-	...	42/-	...	104/-

Discount 5 per cent. on £1 worth, 10 per cent. on £5 worth. Packages charged 3d. on £2 parcels or under, and 1d. for each extra £1 worth, and are not returnable. Carriage forward. Terms: Cash with order. Most Wholesale Houses supply on equal terms.

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*Aet. Ipecac. B.P., 7 lbs. @ 1/5 lb.
 " Scilla, P.B., 7 lbs. @ 3d. lb.
 *Acid. Acet. Glacial., 99%, 12 6-lb. bots. @ 9d. lb.; 6 lbs. @ 10d. lb.
 " Boric Pulv., 3 cwt. @ 34/- cwt.; 1 cwt. @ 34/6 cwt.; levied 3/- cwt. or 3d. lb. extra.
 " Carbol. Xtls., 39/40; 56 lbs. @ 10d. lb.; 10 lb. Tins @ 10/- each; 36 1-lb. Bots. @ 1/1 lb.; Single Bots. @ 1/3 lb.
 " Diethylbarbituric 1 oz. @ 2/- oz.
 " Hydrobrom., Dil. P.B., 6 lbs. @ 1/- lb.
 " Oxalic Cryst., 14 lbs. at 8d. lb.
 " Phosph. Dil., B.P., 7 lbs. @ 4½ lb.
 " Salicyl. pulv. 7 lbs. @ 3/9 lb.
 " Tannic, B.P., 1 lb. @ 4/- lb.
 " Tart., cryst. or pulv., B.P., 1885, 7 lbs. @ 1/9 lb.; parv. 4d. lb. extra.
 Adeps Benz., B.P., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.
 Ammon. Carb., lump, 3 cwt. @ 4d. lb.; 28 lbs. @ 5½ lb.; 7 lbs. @ 5½ lb.; powder, 4d. lb. extra.
 Amyli Pulv. 10 cwt. @ 13/9 cwt.; 2½ cwt. @ 15/- cwt.; 1 cwt. @ 16/- cwt.
 Antim Tart pulv 7 lb. @ 1/10 lb.
 *Aqua Anethi Conc. 1-40, 1 lb. @ 2/11 lb.
 " Anisi Conc. 1-40, 1 lb. @ 3/1 lb.
 " Aurant. Conc. 1-40, 1 lb. @ 6/1 lb.
 " Cinnam. Conc. 1-40, 1 lb. @ 3/4 lb.
 " Nephth. Pip. Conc., 1-40, 1 lb. @ 3/- lb.
 " Rosae Conc., 1-40, 1 lb. @ 7/- lb.
 Bals. Copaiba, pure, 44 lbs. @ 2/1 lb.; 9 lbs. @ 2/3 lb.; 1 lb. @ 2/8 lb.
 Bismuth, P.B., Carb., 7 lbs. @ 11/3 lb.; 3 lbs. @ 11/6 lb.; 1 lb. @ 11/8 lb.; subnit. 1/- lb. less.
 Camphor, English Flowers, "not artificial" 5 lbs. @ 2/3 lb., ½ oz. or ¼ oz. 7 lbs. @ 2/4 lb.
 Chloral Hydras Cryst. B.P., 1 lb. @ 8/6 lb.
 *Chlorodyne, 5 lbs. @ 2/- lb.
 *Chloroform, pure, B.P., 12 8-lb. @ 1/10½ lb.; 8 lbs. @ 1/11½ lb.; 6 1-lb. bots. @ 2/2 lb.
 Conf. Sennae, P.B., 14 lbs. @ 9d. lb.; 7 lbs. @ 9d. lb.
 Creasote, Beechwood, P.B., 7 lbs. @ 3/6 lb.
 Creta c. Camph., 7 lbs. @ 8d. lb.
 *Dec. Aloes Co. Conc. 1-2, 6 lbs. @ 2/9 lb.
 " Sincroco, 6 lbs. @ 1/2 lb.
 " Cinchona (Rubra) Conc. 1-7, 6 lbs. @ 1/10 lb.
 " Senegae Conc., 6 lbs. @ 2/8 lb.
 Emp. Pici, P.B., 7 lbs. @ 8½ lb.
 " Plumbi P.B., 7 lbs. @ 8½ lb.
 " Resina, P.B., 7 lbs. @ 8½ lb.
 " Roborans, 7 lbs. @ 8½ lb.
 Emulsio Ol. Morrhuæ, 5 lbs. @ 11d. lb.
 *Ext. Belladonna Liq., B.P., 5 lbs. @ 7/- lb.; 1 lb. @ 7/3 lb.; solid, 7 lbs. @ 4/3 lb.
 Ext. Cannab. Ind., Alc., B.P., 1 lb. @ 45/- lb.
 Ext. Cascara Sag. Liq., B.P., 1 cwt. @ 1/0½ lb.; 10 lbs. @ 1/2 lb.
 *Ext. Ergot. Liq. P.B., 5 lbs. @ 6/6 lb.; 1 lb. @ 7/- lb.
 *Ext. Glycyrrh. Liq., B.P., 6 lbs. @ 1/7½ lb.
 *Ext. Hamamelis Liq., P.B., 5 lbs. @ 3/5 lb.
 Ext. Hyoscyam., Solid, B.P., 3 lbs. @ 5/1 lb.; 1 lb. @ 5/5 lb.
 *Ext. Ipecac. Liq., P.B., 5 lbs. @ 13/6 lb.; 1 lb. @ 14/6 lb.
 Ext. Malti c. Ol. Jecoris, 10 lbs. @ 5½ lb.
 *Ext. Nucis Vom. Liq., P.B., 5 lbs. @ 3/5 lb.; 1 lb. @ 3/8 lb.; solid, 5 lbs. @ 3/7 lb.; 1 lb. @ 3/10 lb.
 Ext. Quassia, Solid, 7 lbs. @ 6/- lb.; 1 lb. @ 6/4 lb.
 Ext. Sarsae Co. Solid, 7 lbs. @ 4/- lb.; 1 lb. @ 4/6 lb.
 Ferri Ammon. Cit., P.B., 4 lbs. @ 4/- lb.
 Ferri Carb., 1 cwt. @ 21/- cwt.; 28 lbs. @ 3d. lb.
 " et Quinina Cit. P.B., 25 ozs. @ 8d. oz.
 Fol. Buchu, oval, good green, 7 lbs. @ 2/8 lb.
 Fol. Sennae Tinneev., 1 cwt. @ 4d. lb.; 7 lbs. @ 4½ lb.
 Formaldehyde, 7 lbs. @ 1/- lb.
 Glycerin. Opt. D.D., 1.260 P.B., 1 cwt. @ 105/- cwt.; 56 lbs. @ 106/- cwt.; 12 lbs. @ 1/2 lb.

*Glycerin. Acid. Boric, P.B., 6 lbs. @ 1/6 lb.
 " Acid. Carbolic. P.B., 6 lbs. @ 1/6 lb.
 " Acid. Tannic, P.B., 6 lbs. @ 1/6 lb.
 " Belladonna B.P.C., 6 lbs. @ 3/- lb.; 1 lb. @ 3/3 lb.
 *Glycerin. Boracic, P.B., 6 lbs. @ 1/3 lb.
 " Pepsin. Acid, P.B., 1 lb. @ 3/4 lb.
 " Plumbi Subacet. P.B., 6 lbs. @ 1/7 lb.
 Gum Tragac. Elect., English Ground, 7 lbs. @ 4/- lb.; 1 lb. @ 4/3 lb.
 Hexamethylenetetramine, 1 lb. @ 6/- lb.
 Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
 " Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
 " Buchu Conc., 1 to 7, 6 lbs. @ 2/2 lb.
 " Calumbæ Conc., 1 to 7, 6 lbs. @ 11d. lb.
 " Caryoph. Conc., 1 to 7, 6 lbs. @ 1/- lb.
 " Cascarilla Conc., 1 to 7, 6 lbs. @ 1/4 lb.
 " Cinchona Acid, 1 to 7, 6 lbs. @ 1/7 lb.
 " Gentiana Co., 1 to 7, 6 lbs. @ 1/1 lb.
 " Quassia Conc., 1 to 7, 6 lbs. @ 9d. lb.
 " Rhei Conc., 1 to 7, 6 lbs. @ 1/6 lb.
 " Rosae Acid. Conc., 1 to 7, 6 lbs. @ 1/8 lb.
 " Senegae Conc., 1 to 7, 6 lbs. @ 2/6 lb.
 " Valerian Conc., 1 to 7, 6 lbs. @ 1/3 lb.
 Iodum resub. B.P., 7 lbs. @ 15/8 lb.; 1 lb. @ 16/- lb.
 *Ln. Aconiti Meth., 5 lbs. @ 1/2 lb.; 1 lb. @ 1/5 lb.
 " Bellad. Meth., 5 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.
 " Camph. P.B., 40 lbs. @ 1/2 lb.; 9 lbs. @ 1/3 lb.
 " Sapo Meth., 9 lbs. @ 7d. lb.
 " Tereb. Acet., 5 lbs. @ 1/- lb.

We have been requested by so many of our friends to give them current prices that we endeavour by means of the rates quoted herein to give them some idea of our ruling quotations. We can only supply such quantities as are listed, and reserve to ourselves the right to reduce amount ordered if we deem it advisable.

*Liq. Ammonii Acetatis Conc. 1-7, 6 lbs. @ 8d. lb.; 1 lb. @ 1/- lb.
 " Ammon. Aromat., 6 lbs. @ 9d. lb.
 " Arsenicals, B.P., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
 " Arseni Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
 " Bismuth, P.B., 6 lbs. @ 1/4½ lb.
 " Easton, p.s. 1-3, B.P., 1 lb. @ 3/- lb.
 " Ferri Perchlor. Fort., P.B., 7 lbs. @ 4d. lb.
 " Ferri Phosph. Co. p.s., 1-7, 7 lbs. @ 1/6 lb.
 " Hamamelidis, B.P., 6 lbs. @ 1/1 lb.
 " Hypophosph. Co. p.s., B.P.C., 1 lb. @ 3/4 lb.
 " Iodi Fort. B.P., 5 lbs. @ 5/8 lb.
 " Morphinae Acet. or Hydrochlor., P.B., 6 lbs. @ 2/9 lb.
 " Opii Sed., 5 lbs. @ 4/6 lb.
 " Pruni Virg. p.s. 1-7, 5 lbs. @ 2/2 lb.
 " Rhei p.s. 1-7, 6 lbs. @ 2/2 lb.
 " Santali Co., 1 lb. @ 4/- lb.
 " Strychnina Hyd. P.B., 6 lbs. @ 1/6 lb.
 " Tolut. pro Syr. 1-7, 6 lbs. @ 1/8 lb.
 Mag. Calc. Pond., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/- lb.
 Mag. Carb. Pond., 56 lbs. @ 6½ lb.; 7 lbs. @ 7½ lb.
 Mag. Sulph., fine druggists', B.P., 1 cwt. @ 9/-
 *Mist. Sennae Comp. B.P., 20 lbs. @ 6½ lb.; 6 lbs. @ 7½ lb.

Morphinae Acet. Hydrochlor. or Sulph., Pulv. B.P., 25 oz. @ 10/11 oz.; 16 oz. @ 11/1 oz.; 8 oz. @ 11/4 oz.; 1 oz. @ 11/10 oz.; Pur. Precip. Bimeconate or Tart. 1 oz. @ 14/4 oz.
 Naphthalene Candles or Balls, 1 cwt. @ 14/6 cwt.; 56 lbs. @ 17/- cwt.; 28 lbs. @ 19/-
 Ol. Cajuput., B.P., 21½ oz. bots. @ 3/6 lb.; " Caryoph. Ang., B.P., 9 lbs. @ 4/5 lb.; 4½ lbs. @ 4/7 lb.
 Ol. Coco. Nucis, finest White, 80 lbs. @ 58/- cwt.; 40 lbs. @ 60/6 cwt.
 Ol. Eucalypt., B.P., 1 cwt. @ 1/4½ lb.; 28 lbs. @ 1/5½ lb.; 9 lbs. @ 1/7½ lb.
 Ol. Juniperi Bacc., B.P., 4½ lbs. @ 5/6 lb.; 1 lb. @ 5/10 lb.; Ligne Exot., 1 cwt. @ 1/5 lb.; 28 lbs. @ 1/7 lb.; 9 lbs. @ 1/8 lb.
 Ol. Lavandab Flor., 5 lbs. @ 15/- lb.; 1 lb. @ 15/6 lb.
 Ol. Menth. Pip. English, 5 lbs. @ 34/6 lb.; 1 lb. @ 36/- lb.; American, 20 lbs. @ 13/3 lb.; 4½ lbs. @ 14/- lb.; 1 lb. @ 14/9 lb.
 Ol. Olivæ, P.B., good yellow, guaranteed pure, 2-gall. tins @ 6/7 gall.; fine cream, 9 lb. tins @ 8/6 each.
 Ol. Peach Kernel (so-called), 1 cwt. @ 1/1 lb.; 56 lbs. @ 1/2 lb.; 9 lbs. @ 1/3 lb.
 Ol. Pulegii, B.P., 5 lbs. @ 5/9 lb.; 1 lb. @ 6/3 lb.
 Ol. Ricini Alb. Opt. Medicinal, 176 lbs. @ 47/6 cwt.; 88 lbs. @ 48/6 cwt.; 44 lbs. @ 50/- cwt.; 9 lbs. @ 7d. lb.; for export, 1 cwt. drums recommended, 9/6 each extra.
 Ol. Santal. Flav. Ang. B.P., 5 lbs. @ 23/6 lb.; 1 lb. @ 24/-
 Ol. Wintergreen, Artificial, 5 lbs. @ 5/3 lb.; 1 lb. @ 5/6 lb.
 Opium Turc. B.P., 14 lbs. @ 20/6 lb.; 3 lbs. @ 21/6 lb.; 1 lb. @ 22/2 lb.; powder, 6d. lb. extra.
 Oxymel Scilla, B.P., 5 cwt. @ 34/6 cwt.; 1 cwt. @ 36/6 cwt.; *7 lbs. @ 7d. lb.
 Pepsin, B.P., 1 lb. @ 12/6 lb.
 Phenacetin, P.B., pulv., 1 lb. @ 7/6 lb.
 Phenazone, P.B., 1 lb. @ 13/- lb.
 Potas. Acetas. Gran. P.B., 7 lbs. @ 1/6 lb.
 Potas. Bicarb. Pulv., 7 lbs. @ 6d. lb.
 Potas. Brom. 7 lbs. @ 5/- lb.; 1 lb. @ 5/6 lb.
 Potas. Chlor. Pulv., 7 lbs. @ 8d. lb.
 Potas. Cit., B.P., 4 lbs. @ 4/3 lb.
 Potas. Iod., P.B., 7 lbs. @ 13/6 lb.; 3 lbs. @ 14/4 lb.
 Potas. Prussias Flav., 7 lbs. @ 1/6 lb.
 Pulv. Creta Arom. P.B., 14 lbs. @ 7d. lb.; c. Opio, B.P., 7 lbs. @ 1/9 lb.
 Pulv. Glycyrrh. Co. B.P. (Green), English Ground, 56 lbs. @ 50/- cwt.
 Pulv. Ipecac. Comp. P.B., 1 lb. @ 4/- lb.
 " Jalap Comp. P.B., 1 lb. @ 1/6 lb.
 " Rhei Comp. P.B., 1 lb. @ 1/2 lb.
 Quinina Sulph., B.P., 100 oz. @ 1/3½ oz.; 25 oz. @ 1/4½ oz.; 10 oz. @ 1/5 oz.
 Salicinium, B.P., 1 lb. @ 16/10 lb.
 Salol, B.P., 1 lb. @ 5/- lb.
 Santonium, P.B., 8 oz. @ 170/- lb.
 Soda Cit., B.P., 1 lb. @ 5/- lb.
 Sodii Salicyl. Pulv., 7 lbs. @ 4/- lb.; phys. pur., 1 lb. @ 4/8 lb.
 *Spt. Æther Nit. P.B., 4½ lbs. @ 3/8½ lb.; 1 lb. @ 3/11½ lb.
 " Ammon. Aromat., P.B., 5 lbs. @ 2/11 lb.
 " Chloroform, P.B., 5 lbs. @ 3/8 lb.
 Thymol, 1 lb. @ 30/- lb.
 Ung. Acid. Boric, P.B., 28 lbs. @ 7d. lb.; Flav. 28 lbs. @ 5½ lb.
 " Acid. Carbol., B.P., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.; 1 lb. @ 1/- lb.
 " Hydrarg. Ammon., B.P., 28 lbs. @ 11d. lb.; 7 lbs. @ 1/2 lb.
 " Hyd. Nit. Dil., 7 lbs. @ 10d. lb.
 " Paraff. Alb., P.B., 28 lbs. @ 8d. lb.; 7 lbs. @ 9d. lb.; 1 lb. @ 11d. lb.; Flav. 28 lbs. @ 6d. lb.; 7 lbs. @ 7d. lb.
 " Resina, P.B., 28 lbs. @ 11d. lb.; 7 lbs. @ 1/- lb.
 " Sulphuris, B.P., 28 lbs. @ 9d. lb.; 7 lbs. @ 10d. lb.
 " Zinci Oxid. Benz., B.P., 28 lbs. @ 9d. lb.

*Minimum quantity at these prices; Home Trade, 3 Winchester Quarts assorted; Export, 12 Winchester Quarts assorted
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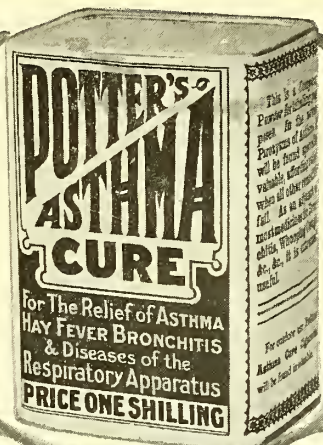
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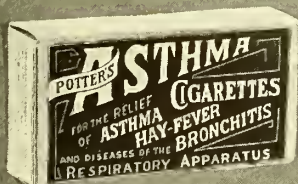
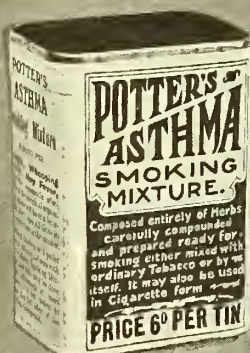
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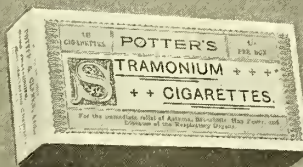
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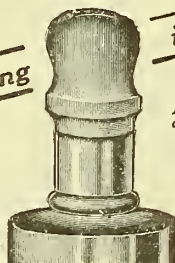
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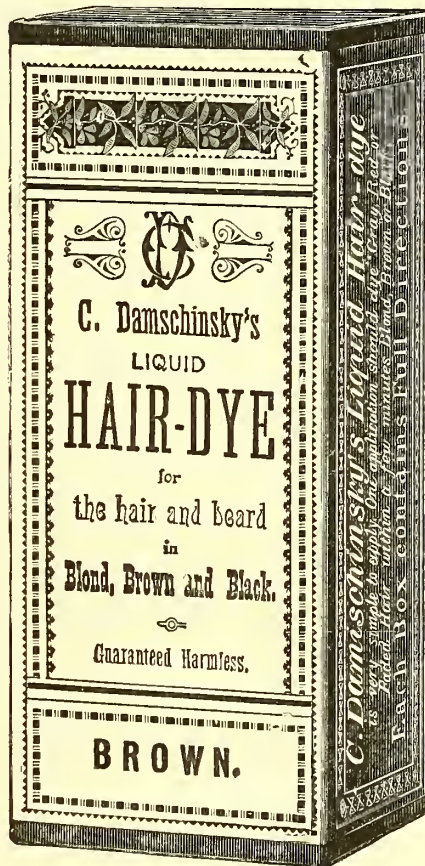
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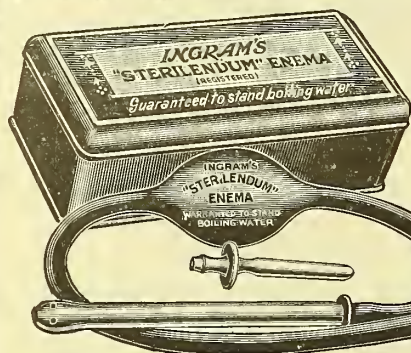
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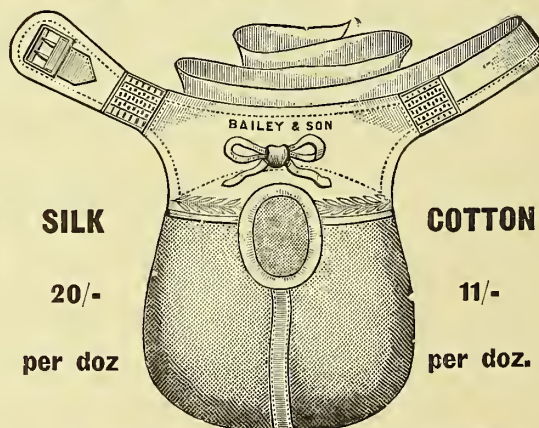
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OFFICE: 42 CANNON STREET, E.C.

SATURDAY, SEPTEMBER 26, 1914.

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Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

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1.—LONDON, S.W. (Residential Locality).—Good-class Retail and Dispensing Business; situate in busy main thoroughfare; returns £1,420 at good prices; to effect a speedy transfer the sum of £800 will be accepted.

2.—LONDON, W. (few miles out).—Retail and Dispensing Business; excellent position; returns (present rate) £1,200 at fair prices; well-appointed shop; rent £36; no reasonable offer refused.

3.—LONDON, W.—General Retail and Dispensing Business, with Photographic Sundries; busy thoroughfare in nice residential suburb; 7-roomed house; single-fronted shop, well fitted and stocked; returns £20 weekly; net profit £250; price £450.

4.—LONDON, S.E.—Good middle-class Retail and Photographic trade; returns average between £700 and £750; gross profit 40 per cent.; excellent position in main thoroughfare; large shop, fully stocked; price £275; good opening for N.H.I. Dispensing.

5.—LONDON, S.W.—Ready-money Business; situate in pleasant suburb; well-fitted shop and ample stock; returns average £1,000; net profit £300; the business admits of extension; full investigation invited; price £750, or valuation of stock and fixtures.

6.—LONDON, N.—Established Business; held by vendor upwards of 25 years; returns average £850; corner shop; position unique; to effect a speedy sale the sum of £400 will be accepted.

7.—LONDON, S.E.—For immediate Disposal, Retail and Dispensing Business; held by vendor 10 years; returns between £1,400 and £1,500 at prices above the average of Retail trade; double-fronted shop, corner position; to effect a speedy transfer the sum of £625 will be accepted.

8.—SOMERSET.—Good-class Retail and Dispensing Business; situate in the centre of good market town; returns steadily increasing, last year being £1,240; net profit over £300; vendor, having purchased another business, will consider a reasonable offer, say £700.

9.—HOME COUNTY.—Retail and Dispensing Business; situate in very good-class locality; returns (present rate) £1,200; modern shop, fully stocked; comfortable residence, with small garden; price £700, or near offer.

10.—ESSEX.—Family Retail and Dispensing Business; main thoroughfare; returns exceed £1,000; gross profit about 45 per cent.; roomy house, with private entrance; no immediate opposition; price £600.

11.—SUFFOLK (Death Vacancy).—Mixed Business; established 60 years; returns between £800 and £900 per annum; rent £35, or freehold may be purchased; good opening for extension; terms, valuation of stock and fixtures.

12.—WORCS.—General Retail and Agricultural; well situated; returns £500 at good prices; double-fronted shop; convenient house; rent moderate; price about £170; must be sold.

13.—SOUTH COAST (Fashionable Health Resort).—Retail and Dispensing Business, with Photographic Sundries; returns between £2,100 and £2,200 per annum; full investigation permitted; price £100 and valuation of stock and fixtures.

14.—KENT.—Ready-money Business; capable of extension; returns under manager £500; gross profit £350; no opposition; price £250, £100 on entry and balance by instalments.

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Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone Profit, the value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of confusion and loss.

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EASTERN COUNTY.—Light Retail Business for Sale in large village; returns £450; net profit over £150; low rent; unopposed; very easily worked; valuation of stock and fixtures about £150; price for quick sale £100, or near offer. 254/39, Office of this Paper.

LANCASHIRE.—Small Drug Store; situated in a populous district; this is a fine opportunity for a young qualified man who can take National Health Insurance work and who wishes to commence on a small outlay; well fitted up; £100 buys all. Apply first to James, 63 Craithie Road, Doncaster.

LONDON, S.W.—Advertiser, having purchased West-End business offers his Suburban one for immediate Disposal; returns £1,450, increasing; Pharmacy, double-fronted, fitted in best style and well stocked; capital position on main road; price £800; open for inspection any time by appointment. "Pharmacist," 294 Brixton Hill, London, S.W.

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£1,400 returns.—LANC. (Seaside).—Good-class old-established Light Family Retail, Dispensing, and own, Specialities; good residence; price £900.

£1,600 returns.—LINCOLNSHIRE.—Very increasing good medium-class Retail in prosperous market town; easily worked; profit much above the average; price £900.

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Best part of central thoroughfare, nearest to high-class residential neighbourhood; a modern-fronted, well-fitted Shop and good house, with very small garden and good greenhouse, doing continuously increasing return, in first-class South Coast watering-place; now doing over £2,000 and giving about £400 absolute net profit in good Dispensing (no contract) and General Retail; vendor desires to travel, and will accept £1,500 rather than put it under management.

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We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

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5.—BUCKS (Charming District).—Good Light Retail Business, increasing; returns £1,200; net profit £350 clear; splendid house and garden; very best position, market town; price £800; strongly recommended.

6.—LINCOLNSHIRE.—Good-class Retail, Dispensing, and Prescribing, with N.H.I.; returns £1,600; net profit about £600; low rent; busy market town; price £900.

7.—SURREY (Favourite Locality).—High-class Business, in excellent position; formerly doing £1,400, now under manager; handsome shop, fully stocked; large house; low rental; price £750, or £100 and valuation.

8.—SUSSEX (near Coast).—Unopposed Light Country Retail in charming locality; easily worked; returns £500; net profit £152; nice house and garden; owner retiring; price £300, or offer.

9.—MIDLANDS.—Light Family Retail, Prescribing and Dispensing Business; returns over £1,300; clear net profit £400; low rent; lock-up shop, well fitted and heavily stocked; price £650, under valuation.

10.—KENT (50 miles out).—Unopposed Light Retail; under indifferent management; returns £500; good profits; plenty of scope; modern premises, well fitted and stocked; price £250, much below valuation; £150 can remain.

11.—LONDON, S.W.—Good-class Dispensing and Light Retail, in splendid main road position; returns £1,450; good profits; handsome Pharmacy, well stocked; price £800; personally inspected.

12.—NORTH LONDON.—Very profitable Light Suburban Retail Business, in unique position; returns £800; net profit £300; books well kept; price £425, or offer; £200 can remain; strongly recommended.

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We strongly urge all Chemists to read page 48 in this year's "C. & D. Diary," and then write for our Pamphlet on Stocktaking and Its Advantages. Our terms are very low, and every valuation carried out in full detail by experts; 43 years' practical experience.

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APPRENTICE for Light Retail and Dispensing business; good all-round experience, B.P. preparations, etc.; easy hours; comfortable home; healthy district. Scragg, High Street, Swadlincote, Derbyshire.

APPRENTICE.—A young Lady, 19 years, passed Senior Oxford, well educated, seeks in a good-class Pharmacy opportunity of attending classes; or personal supervision of study desired; comfortable home required. 101/58, Office of this Paper.

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OF ADVERTISING IN THIS SUPPLEMENT
LAST WEEK SEP 19 1914
NATURE OF ADVT. REPLIES
CLERK (London Office) 29
OPEN (Wholesale) 17
SITUATION OPEN (Wholesale) 15
SITUATION WANTED (Jun.) 10

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RETAIL.

ABERDEEN.—Two Assistants required, Qualified and Junior; a good experience necessary. State age, height, when disengaged, salary required, copies of references, Hunter, Chemist, 111 Union Street.

BUDE.—Wanted, at once, smart Junior (Improver, 18 to 20) in Light Retail and Dispensing business. State age, salary required, etc., to W. Pickard, Pharmacist, Bude, North Cornwall.

CHELTHENHAM. — Beetham & Clark have vacancies for two Assistants (indoors) in high-class Dispensing and Light Retail and Photographic business. Please send full particulars, with photograph, 22 Promenade, Cheltenham.

DARLINGTON.—Qualified Assistant required. Apply, stating age, height, experience, and salary required (abstainer preferred), Waters, Chemist, Darlington.

EAST GRINSTEAD.—Junior Assistant, at once preferred; capable Salesman, Dispenser, and Window-dresser. Age, height, experience, salary required (outdoors), when disengaged, Dixon & Sons, Chemists, East Grinstead.

EASTBOURNE. — Improver wanted for high-class Dispensing business. State salary (outdoors), with usual particulars, enclosing carte, to H. R. Browne, Pharmaceutical Chemist, Eastbourne.

GILLINGHAM, Kent.—Junior, about 21, immediately, outdoors, for up-to-date Cash business; close 1 o'clock Wednesdays; no Sunday duty. Full particulars, salary required, etc., and photo (to be returned), to C. E. Beveridge, 185 High Street, Gillingham, Kent.

HALE (Cheshire).—Wanted, an Assistant; good Dispensing essential. Apply, stating particulars, salary, etc., Jacklin, Chemist, Hale, Cheshire.

HARROGATE.—Wanted, unqualified Assistant; high-class Dispensing business; indoors. Apply, stating age, height, references, and salary required, to A. B. Payton, Crown Pharmacy, Crescent Road, Harrogate.

HAYWARDS HEATH.—Smart, experienced Junior (outdoors) in high-class Dispensing and quick Retail; easy hours. State age, height, salary required, experience, Dixon & Sons, Chemists, Haywards Heath.

HEXHAM-ON-TYNE.—Mr. Wm. Pattinson, Chemist, requires, at earliest, unqualified Assistant, accustomed to Mixed Country business; hours very reasonable. Salary, age, and full particulars to Hedley Pattinson, Chemist, Whitley Bay.

HORLEY, Surrey.—Junior Assistant required, about 20, for good-class Retail and Dispensing business; easy hours. Apply, with full particulars and salary required, to A. B. Higgs, Pharmacist, Horley, Surrey.

HUDDERSFIELD.—Wanted, fully qualified man to take charge; one familiar with Herbs preferred. Apply in the first place to W. H. Cook, Ltd., 6 Market Place, Huddersfield.

LEEDS.—Qualified Assistant required in Retail Department, high-class Dispensing. State age, experience, and salary, Chas. F. Thackray, Great George Street, Leeds.

LONDON, N.E.—Junior Assistant (outdoors) for a good-class Suburban business. State age, height, experience, and salary expected, also enclose photo (if possible), to Matthews & Son, Chemists, 722 High Road, Leytonstone, N.E.

LONDON, N.W.—Wanted, Junior, for high-class Dispensing, Retail, and Photographic business; good opportunity for one just out of apprenticeship; indoors; comfortable home. Please apply, stating age, height, references, salary required, photo if possible, to Bellamy, Pharmaceutical Chemist, Cricklewood.

LONDON, N.W.—Junior or Improver; used to Dispensing and Photographic work; suit one just out of apprenticeship; outdoors. Particulars as to age, salary, experience, and references to "Ixion" (256/13), Office of this Paper.

LONDON, S.E.—Assistant wanted (outdoors) for quick Cash Retail. Apply, stating age, salary required, experience, also references, to Brooks' Drug Stores, Corner of High Street, Broadway, Deptford.

LONDON, S.W.—Smart young Junior or Improver. Send full particulars to Durbin's Drug Stores, 106 High Street, Wandsworth, S.W.

LONDON, S.W.—Qualified Assistant for good-class Dispensing business; indoors. Apply, with usual full particulars, and enclose photograph if possible, to Tupholme & Son, 1 Coleherne Terrace, Earl's Court, S.W.

LONDON, S.W.—A Junior unqualified Assistant required, with some experience in Dispensing. Apply, giving usual particulars and salary required, to A. J. Phillips, 156 Cromwell Road, South Kensington.

LONDON, S.W.—Wanted, at once, unqualified Assistant; indoors preferred. Please send full particulars, Watson, 100 Miteham Road, Tooting, S.W.

LONDON, W.—Wanted, at once, Assistant for Counter and Dispensing; must have good references. Henry Cooper & Co., Ltd., 24 Greek Street, Soho Square, London, W.

LONDON, West.—Junior Assistant required for high-class business; must be experienced in Dispensing; sleep in, board out; easy hours. Details of age, experience, salary expected, with photo if convenient, to Pickford, 194 Holland Park Avenue, W.

SOUTH KENSINGTON, S.W.—Outdoor Assistant required for good-class Retail and Dispensing business; must be quick and obliging, a neat and accurate Dispenser, good Salesman, and thoroughly reliable. Apply, with usual particulars, or personally, to P. Bolton, English and Foreign Chemist, 5 Sussex Place, South Kensington, S.W.

TUNBRIDGE WELLS.—Junior Assistant; indoors; accustomed to good-class Dispensing business. Please state usual particulars, salary required, and when disengaged, enclose photo (to be returned) if convenient, Dunkley & Rogers, High Street, Tunbridge Wells.

WEST RIDING (Yorks).—Qualified Manager, married, required immediately to take charge of a sound business taking about £18-£20 per week; permanency with good agreement based upon the profits. "Long" (253/9), Office of this Paper.

YORKSHIRE.—Well-known firm require a smart and reliable young qualified man, married, to take charge of a business about to be opened in a good residential suburb; splendid opportunity for a really earnest and willing worker, who will be amply repaid for his labour. "Crosland" (253/09), Office of this Paper.

A SMART qualified Assistant (young man) wanted for one of the best Dispensing establishments in London. Applicants should give full details of experience, age, height, and salary expected to "Capeline," c/o S. Maw, Son & Sons, 7-12 Aldersgate Street, London, E.C.

A N Assistant wanted (indoors), about 23, for high-class Dispensing, Retail Pharmacy; personal application preferred. W. Browne, 509 Finchley Road, Hampstead, N.W.

A SSISTANT (unqualified) for good-class Retail and Dispensing; knowledge of Photography an advantage; references must bear strict investigation. Send full particulars, with photo and salary required, The Manager, Holman, Ham & Co., Fore Street, Sidmouth.

A SSISTANT wanted, about 23, for high-class Dispensing and Retail business; please state age, experience, and salary required (in- or out-doors). Apply, Read & Orchard, 47 Market Place, Salisbury.

A SSISTANT, about 21; a reliable and quick Dispenser; only the best and expensive class of work; Insurance Dispensing and usual Counter experience of no use; business almost entirely conducted by telephone; small but very good. Apply, "C," c/o Henry Jackson & Sons, School Lane, Liverpool.

C APABLE, trustworthy Assistant; qualified; a neat and accurate Dispenser and a good Counterman; one requiring a permanency and able to direct Juniors; age no objection. Full particulars, with references and salary expected (outdoors), to Henry Tinker, The Heights, Manchester.

C OMPETENT Manager, accustomed to modern trading, required for London Suburban Branch; good salary and share of profits. Apply, 256/14, Office of this Paper.

D ISPENSER and Bookkeeper; to live at Doctor's Surgery; married preferred. Give age, experience, and references to Dr. Grose, The Wooda, Bideford, N. Devon.

D RUG Department.—Junior Assistant wanted, no Dispensing; moderate hours. State experience and salary required, Bedford Stores, Leamington.

G ENTLEMANLY Junior or Improver for first-class business; outdoors. Please state usual particulars, age, height, references, and enclose photo (last absolutely essential), J. H. Taylor, St. Annes-on-the-Sea.

J UNIOR or Improver (about October 12) in high-class Dispensing and Family business; indoors; comfortable home; must have a fair knowledge of Photography. State age, height, salary, and reference, enclosing photo if possible, to H. Dixon, Pharmacist, 1 Russell Gardens, Holland Road, Kensington, W.

J UNIOR, experienced, of good address, for high-class Retail, Dispensing, immediately. Makepeace, Sanderstead, Croydon, Surrey.

L ADY Dispenser-Bookkeeper wanted for private seaside Medical practice; 25s. (outdoors). Testimonials from Medical men and full particulars to 251/12, Office of this Paper.

L ADY (Minor qualification) wanted for London, E., for Dispensing and Pricing N.H.I. Prescriptions only; hours 10 a.m. to 9 p.m. daily, Thursday 10 to 1 p.m.; no Sundays; 1½ hour off for dinner, 1 hour for tea. Write, giving full particulars and salary required, to 253/31, Office of this Paper.

L EWIS & BURROWS have a vacancy for a smart unqualified Assistant. Apply, with full particulars, to 146 Holborn Bars, E.C.

Q UALIFIED Assistant; outdoors; three kept; no Sunday duty; would suit one just qualified; progressive salary. Bruce's, Ltd., 28 The Broadway, Ealing, W.

Q UALIFIED Assistant in good-class country business; easy hours; no Sunday duty; comfortable berth. Apply, 253/21, Office of this Paper.

Q UALIFIED Lady Pharmacist to devote whole time to N.H.I. Dispensing; Midlands; outdoors. State fullest particulars of experience, age, salary required, etc., and enclose photo, to "Beta" (254/7), Office of this Paper.

REQUIRED shortly, outdoor Assistant; abstainer; easy hours; must be able to produce satisfactory references; Welsh preferred but not essential. Apply, with full particulars, to Hopkins, Chemist, Pontycymmer.

SELFRIDGE & CO. require the services of a qualified Dispenser; outdoors; hours of business 8.45 till 6.30, Saturdays 1 o'clock. Apply, 400 Oxford Street.

STEDMAN & CO., LTD., West Malling, Kent, require a Junior Assistant at once; good-class Country business, with N.H.I. Dispensing; hours 8 to 8; Wednesday close at 1 p.m.; no Sunday duty; outdoors. Apply as above, stating age, experience, and salary required.

UNQUALIFIED Dispenser wanted; not under 25; must be quick and accurate and accustomed to high-class business; salary £2 weekly; bedroom provided, board out. Apply, full particulars, photo, Mr. Reid, 2 Queen Street, Exeter.

UNQUALIFIED (Birmingham Suburb).—Wanted, a reliable Assistant, age about 30; permanency; married preferred; good Prescriber; obliging; middle-class trade. Full particulars and wages required to 250/37, Office of this Paper.

VACANCY for Pupil occurs in first-class practice of a Dental Surgeon; every branch Mechanical Dentistry taught; personal supervision. Apply, Moore, L.D.S.Eng., Dental Surgeon, Abbey View House, Tewkesbury, Gloucestershire.

WANTED, reliable Assistant (outdoors), good at Counter and N.H.I. Dispensing, for medium-class business; moderate hours; permanency. Apply, stating age, height, references, and salary required, and when at liberty, to W. H. Walker, Chemist, Willenhall, Staffs.

WANTED, immediately, a Junior Assistant, about 22; must be quick, active, and have had experience in Dispensing; also an Improver. Apply personally, or by letter, to The Prosser Roberts Co., Pharmaceutical Chemists, 323 Walworth Road, London, S.E.

WANTED, immediately, smart Junior or Improver; Dispensing Counter, etc.; 20-24; outdoors. Full particulars first letter, Roe, Chemist, Epsom.

WANTED, early in October, thoroughly reliable Junior; outdoors; London experience not essential. Reply, with full particulars of age, height, salary required, and references, to Cave, Austin & Co., Ltd., 164 Rushey Green, Catford, S.E.

WANTED, immediately, an Assistant, 23 or 24; unqualified; indoors; good references essential. Davies, 485 King's Road, West Chelsea.

WANTED, an unqualified Junior. J. Dwyer, 128 Balls Pond Road, N.

WANTED, middle of October, qualified Assistant (indoors), 24, or competent unqualified man well up in Dispensing, for West End. 256/10, Office of this Paper.

WHOLESALE.

WANTED by a well-known firm of Manufacturers, a really competent Chemist, who has specialised in the Manufacture of Agricultural and Horticultural lines; preference given to a man who would be willing to invest sufficient capital to take up position as Director in paying business not affected by war; this offer presents great opportunities. Reply in first instance to 98/74, Office of this Paper.

LONDON Manufacturing firm require a young qualified Chemist; salary £2 2s. weekly to commence. Write, stating full particulars of previous experience, 253/25, Office of this Paper.

DESPATCH Counter.—Head man wanted by a firm of Wholesale Druggists in Yorkshire. Full details as to age, experience, wages, etc., to 100/38, Office of this Paper.

JOURNEYMAN Perfumer, who thoroughly understands Mixing Pomades and Powders; state lowest salary for permanency. Write full particulars, 252/160, Office of this Paper.

REQUIRED, immediately, Representatives, with good live connections amongst Chemists, Hairdressers, and Departmental Stores in town and country, for good-class Toilet Requisites, Medicinal Preparations, Perfumes, Specialities, etc.; liberal terms. Apply, with full particulars, 252/15, Office of this Paper.

TRAVELLER, connection with Druggists, wanted to take up good line on high commission. For particulars apply, "D." (249/30), Office of this Paper.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for 50 words or less; **6d.** for every 10 words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

BIARRITZ.—English Assistant, with knowledge English-French Pharmacy; qualification not essential. Apply, with particulars of career, to Evans Sons Lescher & Webb, Ltd. (Dept. 9), 60 Bartholomew Close, London, E.C.

BRITISH EAST AFRICA.—Qualified Assistant wanted, at once; congenial billet in healthy British town; suit one fond of outdoor life; candidates must be absolutely steady and possessed of good all-round experience; passage paid out. Write, Evans Sons Lescher & Webb, Ltd. (Dept. 9), 60 Bartholomew Close, London, E.C.

QUALIFIED Chemist wanted for British East Africa, with a knowledge of Photography; salary first year £200, second year £225, third year £250; second-class passage paid out. Apply by letter, stating age and qualifications, and enclosing copies of testimonials, to Davis & Eoper, 54 St. Mary Axe, London, E.C.

SITUATIONS WANTED.

1s. for 12 words or less; **6d.** for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.] RETAIL.

A JUNIOR; 21; tall, smart; ready at once; good references; reliable Dispenser; used to N.H.I. Williams, 16 Ladysmith Road, Cardiff.

A S competent Assistant; part-time, mornings until 1.30; disengaged. Harrison, 89 Camberwell Road, S.E.

A SSISTANT; 22; 6 years' experience first-class Counter; good references; Birmingham preferred. 250/29, Office of this Paper.

A SSISTANT (Hall); age 32; good London and seaside experience; excellent references; disengaged. 250/35, Office of this Paper.

A SSISTANT; 25; unqualified; 9 years' good-class General experience; just returned from abroad; left England under contract; excellent references; prepared to accept small salary at first. Thomas, Meir, Longton, Staffs.

A SSISTANT (23) shortly disengaged; good Dispensing and all-round experience; excellent references; Midlands preferred. Lloyd, 26 Cambridge Street, Stafford.

A SSISTANT; 35; unqualified; excellent experience; Dispensing, Counter, Photography; disengaged. "G." (254/30), Office of this Paper.

A SSISTANT, unqualified, fully experienced, desires Part-time engagement. "S." 50 Brockley Road, S.E.

A SSISTANT; 28; married; unqualified; 13 years' good Dispensing and Counter experience; present situation 3 years; good references; disengaged October 12. "Radix," 25 Melbourne Road, Leicester.

ASSISTANT requires berth in good, quick Cash Retail business; excellent references; abstainer; Insurance Dispensing. "Astral," 33 Glencoe Street, Poplar, E.

ASSISTANT; 40; experienced Dispenser and good Salesman; active, reliable; unqualified. "Aspirin," c/o J. Hammond, Oaklands, Greenfield, near Oldham.

ASSISTANT; 29; unqualified; outdoors; disengaged October 10; Dispensing, Photography; present situation 4 years. Butterfield, 54 Juxon Street, Oxford.

ASSISTANT; 25½; 5 ft. 11 in.; experienced Dispensing, Counter, Photography, Window-dressing; total abstainer; outdoors; unqualified; disengaged early October. H. White, Market Place, Uppingham.

ASSISTANT; 24; unqualified; outdoors; 7 years' high-class experience; smart appearance; good Counterman and Dispenser; London preferred. H. Cogas, 77 Marine Parade, Worthing.

ASSISTANT; Dispenser; 27; 12 years' Retail; unqualified; near London. "Awep," 96 Fawe Park Road, Putney.

ASSISTANT; unqualified; competent; all-round City, West-End experience; N.H.I.; fluent French; good references; Photography, Optics; married; outdoors. Gainham, 72 Euston Square, N.W.

ASSISTANT; unqualified; good London experience; can take sole charge; W. or S.W. preferred; disengaged. "L," 60 Chelsham Road, Clapham.

ASSISTANT; first-class references; good varied London experience; long hours not objected to; all letters answered. F. Williams, 71 Holloway Road, N.

ASSISTANTS (two) seek engagement together; highest references. Taylor, 21 North Everard Street, King's Lynn.

ASSISTANTSHIP with Dental Chemist; experienced in local Anesthetics, Extractions, Fillings and Artificial, also assist in Pharmacy; can take entire charge either if required; excellent testimonials; age 24; height 5 ft. 10 in.; salary £2; London preferred. 253/17, Office of this Paper.

BIRMINGHAM District—Lady Dispenser (Hall) wishes re-engagement with Doctor or Chemist; references. 255/35, Office of this Paper.

BRANCH Manager, Senior, or Locum; competent Counterman, Dispenser, and Window-dresser. "Energetic," 59 Dalston Lane, London.

BRANCH Manager; 31; qualified; competent, active, and obliging; good Counterman, Prescriber, and Dispenser; permanency; excellent references; married. "Chemist," 56 Buckingham Road, Margate.

CHEMIST; 41; qualified; recovering from illness, but active; permanency in useful capacity; good varied experience; accurate Dispenser; single; terms to suit. "Engagement" (254/15), Office of this Paper.

COUNTER or Dispensing, N.H.I.; disengaged. Shields, 17 Russell Road, Leyton.

DENTAL Surgeon, qualified, good Mechanic, can Dispense and Prescribe, seeks engagement, temporary or permanent; South or West preferred. "L. D. S." (249/34), Office of this Paper.

DENTAL Operator, 30, tall, smart, total abstainer, desires re-engagement, Home Counties; skilful Extractor; Impressions, Models, Bites, Fillings; canvass if necessary; accept moderate salary two years. Apply, Shade, 59 Felday Road, Lewisham, London, S.E.

DISENGAGED October 19; unqualified; 9 years' experience, town and country; personal interview preferred. Gaisford, 26 Stratford Road, Hendon, N.W.

DISPENSER; West-End and Hospital experience. "Pharmacist," 5 Fielding Road, West Kensington.

ELDERLY, registered Chemist seeks situation of light employment; a comfortable home in healthy country for nominal salary; South preferred. Henderson, Tyn-y-coed Road, Great Orme, Llandudno.

ELDERLY; qualified; single; best-class experience; moderate salary; reasonable hours; engagement to Christmas entertained; disengaged shortly. 253/10, Office of this Paper.

ELDERLY; qualified; Locum; whole or part time; excellent references. "B." (255/29), Office of this Paper.

EVENINGS; unqualified; National Insurance, Counter; good reference. 10 Elmsdale Road, Walthamstow.

HOSPITAL Locum; qualified Dispenser. Irving, 66 Rowfant Road, Balham, London, S.W.

JUNIOR (22) seeks situation in the Midlands. Apply. "H. H. P.," 20 Broomfield, Smethwick, near Birmingham.

JUNIOR (21) requires situation in good-class Pharmacy; Glasgow or Birmingham preferred. "A. W.," 154 Bristol Road, Birmingham.

JUNIOR in high-class Dispensing business; Liverpool or suburbs. Cornthwaite, "Lunbank," Lancaster.

JUNIOR (21) for good-class business; highest reference. Adderley, Meir, Longton, Staffs.

JUNIOR (25), working for Minor, requires Part-time post; 9 years' good experience in London and provinces; live in preferred. C. Andrews, Hunstanton.

JUNIOR Assistant; 21; good experience; disengaged. Morgan, 91 Llewellyn Street, Pentre, Glam.

JUNIOR; high-class experience Photography; South of England; permanent or Locum. "Statio," 14 St. Radigund's Place, Canterbury.

JUNIOR requires situation in good-class business. 254/34, Office of this Paper.

JUNIOR, 23, disengaged, seeks berth; Store and West-End experience; first-class references. James, 15 Princes Road, Wimbledon.

JUNIOR, 21, unqualified, disengaged, desires engagement. T. Wellspring, 15 Burgess Street, Limehouse, E.

LADY (34), accustomed to Chemist's business, desires engagements as Demonstrator; highest references. "Advertiser," 12 Whitland Road, Fairfield, Liverpool.

LADY Dispenser (Hall) desires post in or near Birmingham, Doctor, Chemist, or Institution, experience all three. 252/23, Office of this Paper.

LADY (Hall qualification) requires post with Institution or Doctor. "A. H.," 31 Boulevard, Hull.

LADY desires engagement; knowledge of Dispensing. "G.," 36 Savernake Road, Hampstead.

LADY (Hall qualification) desires engagement (part-time) for Dispensing only. 255/2, Office of this Paper.

LIVERPOOL District—Junior; 20; well educated; excellent references; can Dispense; at present Assistant Chemist in Wholesale Hairdressers' Merchants. 250/32, Office of this Paper.

LOCUM or Branch; qualified; age 57; disengaged October 15. Snoxell, 14 South Colonnade, St. Leonards-on-Sea.

LOCUM or permanency; 38; qualified; disengaged. "Chemist," 54 Bell Street, N.W.

LOCUM or Part-time; thoroughly reliable; abstainer; disengaged. "E.," 28 Seven Sisters Road, N.

LOCUM or permanency; qualified; age 51; active; quick and accurate Dispenser; disengaged October 1. "Assistant," 128 Balls Pond Road, Mildmay Park, N.

LOCUM; disengaged immediately; good experience; satisfactory references. "Qualified," c/o Smith, Pharmacist, Bromyard.

LOCUM or temporary Management; highest references; extensive experience; at liberty shortly. "Ferrum" (252/22), Office of this Paper.

LOCUM; qualified; now disengaged; moderate terms; references. "Pharmacist," 185 Tottenham Court Road, W.

M.P.S.; disengaged October 1. T. J. Perkins, 67 King's Hall Road, Beckenham.

MANAGER, qualified, 40, giving satisfaction present post, desires bigger opportunity; expert knowledge Advertising, Photography, Prescribing; neglected business preferred in promising London district or with Wholesale connection; exceptional services to liberal, enterprising employer. 252/19, Office of this Paper.

MANAGER; qualified; 30; permanency; good all-round experience; Photography; country preferred; disengaged 4 weeks. "M.P.S.," Cairnwood, Colwyn Bay.

MANAGER; now disengaged; fully qualified; thoroughly experienced; very active. 243/280, Office of this Paper.

MANAGER or Assistant; age 30; good all-round experience; last berth 8 years; Midlands preferred. 252/35, Office of this Paper.

MANAGER; Major; 42; 5 ft. 8 in.; abstainer; capable; exceptional experience; good references; Prescriber, Dispenser, Photography; outdoors. "T.," 79a Fielding Road, Bedford Park, W.

MANAGER, married, live on premises preferred, in a good-class Dispensing business, with or without view to succession; permanency; first-class experience; highest references. "Pharmacist and F.S.M.C." (254/32), Office of this Paper.

MANAGER or Assistant; abstainer; reliable, up-to-date worker; smart Counterman and Prescriber; highest reference; well up; unqualified. "R., 39 St. Thomas Road, Finsbury Park, N.

MANAGER; qualified; London or Suburbs only; middle-aged; married; good personality and Salesman; 30 years' varied experience; outdoors, or with rooms. "W. J., 29 Vincent Road, Wood Green, N.

MANAGER or Locum; age 37; disengaged; qualified; best references; London or South. Brooks, Thatcham, Newbury.

MANAGER, Assistant Manager, or Senior; married; 41; West-End and Store experience; Photography and Extractor. "Permanency," 78 Standen Road, Southfields, S.W.

MANAGER; capable, energetic; good Salesman; first-class all-round experience; good references. 255/34, Office of this Paper.

MANAGER or Locum, with view to purchase; qualified; experienced; reliable; disengaged. "Capital," 58b Crawford Street, W.

MANAGERSHIP or Locum; qualified; 40; expert Refractionist and Optical Bench work; London or large town; would develop Optical. "Optician," 42 Bearwood Hill Road, Burton-on-Trent.

PACKER, 12 years' experience, seeks situation; excellent reference. "G. T., 31 Manaton Road, Peckham Rye, S.E.

PART-TIME; qualified; experienced; evenings preferred, but not essential; good references. 251/33, Office of this Paper.

PART-TIME; all-round Assistant; good appearance; 30; 9-4 p.m. or less; S.W. district, excellent references. "Aspirin," 18 Fawcett Street, South Kensington.

PART-TIME; mornings or evenings; best of references; distance immaterial. 255/39, Office of this Paper.

PART-TIME or Locum; outdoors; unqualified. "Advertiser" (252/39), Office of this Paper.

PART-TIME; 26; first-class Dispensing experience; reliable; unqualified. 254/24, Office of this Paper.

PERMANENCY; qualified; single; at present in London; moderate terms; varied experience. "Adaptable" (254/015), Office of this Paper.

PERMANENT; Part-time; North London; one or two days weekly, or mornings; Counter, Dispensing; 27. 255/1, Office of this Paper.

PHARMACEUTICAL Chemist, 30, best West-End experience, desires position as Manager; good Prescriber and knowledge of "own Specialities"; can arrange interview. "Pharmacist," 9 Atney Road, Putney, S.W.

PHOTOGRAPHIC Expert; 33; good knowledge Drug trade; capable organiser; first-class references. "R. M., 237 Portland Street, Southport, Lancs.

QUALIFIED, good Dispenser, wishes situation with London or Suburban Hospital. "Dispenser" (252/10), Office of this Paper.

QUALIFIED; 33; Manager or Senior; varied experience; Retail or Dispensing; outdoors preferred; London or near; disengaged; references to date. 252/14, Office of this Paper.

QUALIFIED; disengaged; varied experience; Retail, Wholesale. "Pharmacist," 39 Bessborough Gardens, Westminster.

QUALIFIED; 37; Manager or Senior. "Chemist," 275 Upper Richmond Road, Putney.

QUALIFIED; 31; excellent Dispensing and Continental experience. "Mentone," Steyne View Pharmacy, Bognor.

QUALIFIED Assistant; 27; excellent Dispenser; London, suburban, and seaside experience; outdoors. 251/11, Office of this Paper.

QUALIFIED (29) desires engagement; excellent Dispensing and Retail experience; Photography; reliable. "Pharmacist," 5 Osterley Gardens, Orrell Park, Liverpool.

QUALIFIED, single, 31, requires Managership with good prospects; splendid London and Provincial experience; undeniable references; thorough attention given to business; first good offer accepted; free September 23. "Sanatogen," 192 Uxbridge Road, Shepherd's Bush.

QUALIFIED Assistant; disengaged; good-class Dispensing and General Retail. Towle, Legbourne, Louth.

QUALIFIED; Manager or Locum; first-class references; long engagements; Dispensing, Extracting, Prescribing, Counter; with or without staffs; Photography. Jennings, Tower Street, Dudley.

QUALIFIED; Manager or Senior; 26; tall; good varied experience; best references; London or near preferred; disengaged. Offers to "Reliable" (254/19), Office of this Paper.

QUALIFIED; disengaged; Locum or permanent; Manchester district. Howarth, 28 Savile Parade, Halifax.

QUALIFIED; Manager or Locum; disengaged. 44 Wellington Road, St. John's Wood, London, N.W.

QUALIFIED; 37; married; Counter, Dispensing. Stewart, 16a Highgate Road, N.W.

QUALIFIED; assistance given in evenings and Sunday if required; Dispensing, Counter, etc.; disengaged. "Senior," 540 King's Road, Chelsea, S.W.

RELIEF; reliable; reasonable; Pharmacy, Stores, Institution. Hall, 48 Handsforth Road, Clapham, S.W.

UNQUALIFIED; 22; Wholesale, Retail, and Continental experience. Dixon, Bexwell Road, Downham, Norfolk.

UNQUALIFIED (25), married, disengaged, good Counterman, Stockkeeper, etc., wants permanency; can Manage Drug Stores; salary 35s. Smith, 1 Vaughan Road, Loughborough, London, S.E.

UNQUALIFIED; Assistant, Manager; experienced; married; Dentistry; permanency. "Rhei," 15 Essex Road, Basingstoke.

UNQUALIFIED; abstainer; 27; Dispensing (Hall), Photography, Window-dressing, all N.H.I. work; good-class quick Cash business; disengaged. Swann, 11 Chichester Street, Chester.

UNQUALIFIED; 33; Manager or Assistant; married; Midlands. "Statim," 86 High Street, Ibstoke.

UNQUALIFIED; experienced and trustworthy; shortly disengaged. Parlow, 14 Selwyn Avenue, Highams Park.

UNQUALIFIED; 25 years' experience; excellent testimonials; married; permanency. "Manager," 45 Waterloo Street, Hull.

UNQUALIFIED; 24; tall; smart Counterman and Dispenser; London experience; good references; whole or part time; London; reliable, energetic. Apply, "Statim," 7 Larkhall Rise, Clapham, S.W.

UNQUALIFIED; 30; married; disengaged; Retail and Wholesale experience. Reply, 254/25, Office of this Paper.

UNQUALIFIED; Counter, Dispensing, and N.H.I. Extractor; single; country and town experience. "Magnesium" (253/35), Office of this Paper.

UNQUALIFIED, 28, height 5 ft. 8 in., seeks permanency as Manager or First Assistant; well up in Dispensing and Counter work; high-class London experience in Dispensing and Counter work; first-class references. 253/8, Office of this Paper.

UNQUALIFIED; evening work wanted; Dispensing or Surgery Attendant. "A., 24 College Street, Chelsea.

UNQUALIFIED (32), married, desires permanency; good all-round experience in Dispensing, Prescribing, and Photography; capable Extractor; take Impressions and fit Artificial Teeth; able to manage. 256/1, Office of this Paper.

UNQUALIFIED; 32; tall; experienced; Manager or Senior. "Statim" (254/20), Office of this Paper.

UNQUALIFIED; Hall qualification; age 48; single; abstainer; active; good Dispensing; good reference; permanency; 40s. weekly; disengaged. Rayner, 5 Barnfield Road, Belvedere.

YOUTH (17½) seeks situation with Chemist; 3½ years' Drug and shop experience. 250/30, Office of this Paper.

41; active; all-round experience; London or near; disengaged; shortly; 33s. (outdoors); unqualified. 253/16, Office of this Paper.

WHOLESALE.

ABLE man (qualified) seeks responsible position; accustomed Sales-managership carrying income £520. Reply, 253/2, Office of this Paper.

BELGIAN refugee, having held agencies for French Proprietary Articles in Belgium, wishes for work in any capacity in connection with the Retail or Wholesale trade in England; speaks French and Spanish and a little English. 102/2, Office of this Paper.

CHARGE hand for Compressing Tablets; able to do small Repairs if needed; 20 years' experience. 252/37, Office of this Paper.

CLERK, with 5 years' experience Pricing, Extending, etc., in well-known Wholesale house, requires employment; age 22. Write, stating salary and particulars, 252/12, Office of this Paper.

EXPERT Window-dresser (32) seeks re-engagement through the war; Manufacturers who want to increase trade will find a Window-dresser indispensable; dress your customers' windows free of charge provided they allow free use of centre of window for your own goods. 250/36, Office of this Paper.

FEW good Lines required by Traveller calling upon Chemists (Lancs); well introduced. "Radix" (254/4), Office of this Paper.

MANUFACTURING Chemist requires position in Wholesale Druggist's business; London experience Manufacturing, Analysis, Buying, Travelling, Office, Warehouse; specially reasonable terms present time. 253/12, Office of this Paper.

PHARMACIST desires responsible position; Wholesale experience and in control of a number of Retail Branches; at present Assistant Manager to well-known firm of Chemists. 254/16, Office of this Paper.

QUALIFIED Chemist, 30, married, desires position as Representative, any district; at present Manager in large North Yorkshire town; London and provincial references given; commission only not entertained. Apply, 248/35, Office of this Paper.

RETAIL Assistant (22), unqualified, desires change and position in Wholesale Drug or Sundries house; any capacity if promising; tall, smart; Midlands preferred. "Ambitious" (251/5), Office of this Paper.

SMART young man (27) requires position in Wholesale house, Dry Room Department; Leeds district preferred; good references. 250/10, Office of this Paper.

TRAVELLER, well known, recently retired, desires engagement; income reduced through war; correspondence invited. "Alpha," c/o Hawker's, 7 Denman Street, London Bridge, London.

TRAVELLER, with good connection London, open to Represent good house. 256/5, Office of this Paper.

TRAVELLER (London), with large connection, desires re-engagement owing to war; successful in selling schemes and pioneering; good record. Address, 253/37, Office of this Paper.

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1s. for 12 words or less; 6d. for every 10 words beyond, prepaid. The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 6d.

This heading is reserved for assistants seeking situations in the British Colonies, India, and Dependencies, or elsewhere abroad.

NEW SOUTH WALES.—An expert Traveller desires position as Colonial Representative to Drug and Sundries house; sober, energetic, and pushing Salesman; highest character; Memb. Pharm. Soc.; sound and healthy, and of great business power. Apply in the first instance, 250/12, Office of this Paper.

QUALIFIED, speaking fluently French, German, and some Italian, good London experience, wishes position abroad or with Wholesale house. "White" (252/01), Office of this Paper.

MISCELLANEOUS.

MADAM & TUCKNISS, Sharedealers, Bank Chambers, Blackheath, S.E. Established 1898. Telephone 81 Lee Green. Shares for Sale (free of commission, subject).—100 Alby Carbide, 27s.; 12 Bengers Ordinary, 38s. 9d.; 200 Claudius Ash Ordinary and 200 Preference, bid wanted.

Wanted (subject).—79 Wright, Layman Preference, 20s. 3d. x.d.; 100 Camval Preference, 4s. 6d.; 100 G. B. Kent Preference; 150 Lewis & Burrows Preference, 10s. 6d.; 100 J. Knight Ordinary, 24s. 1 1/2d.

List of Shares for Sale and Wanted sent free on application. Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

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SHOPFITTINGS at War Prices.—To make room, the whole of our Stock is to be Sold at reductions from 10 per cent. to 50 per cent. discounts; 12-ft. Mahogany and Plate-glass Counter, £8 7s. 6d.; 6-ft. Mahogany Wall Showcase, 9 ft. high, £7 17s. 6d.; 6-ft. Mahogany and Bent Plate-glass Counter Case, 90s.; other bargains in proportion. Write inquiries, PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

SECOND-HAND Chemist's Fittings.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

BEST cash price for all old Cameras, any make, also all old Photo goods, no matter how damaged; any kind you may have send them along; cash will be sent same day; no waiting; we buy all and return nothing. S. E. Hackett, 23 July Road, Liverpool, E.

PRINCE OF WALES'S FUND.

During this month every Pharmacist ordering a Window Centre may deduct 6d. for same. Also those who send for my two latest ideas, including Egg Producer, with egg record, copy for adverts. (5 altogether), &c., may deduct 2/6 for same and forward it to the above Fund themselves. See previous advertisements. NOTE.—Only one Pharmacist in a town supplied, and early application is requested. If the war has affected your business, I can help you.

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DENTAL forceps, 15, heavily plated, as new, £2, or good exchange. R. Jackson, 13 Beverstone Road, Brixton Hill, S.W.

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56 lb. citric acid crystals, 3s. 7d. lb. Carlton & Sons, Horncastle. 10 oz. ol. santal. flav. ang., 2s. oz. cash. Henry Smith, Chemist, Horncastle, Lincolnshire.

THYMOL, B.P.; 14-lb. tin. Offers for whole or part, W. Hunt-rod, Holbeck Moor, Leeds.

WHAT offers?—8 doz. 1-oz. bls. Schering's pyrogallie acid. J. Blair & Son, Chemists, Cork.

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NEAREST offers to present market price for 6 4-oz. unopened bottles cocaine hydrochlor. (G. B. & Co., Leeds); 3 unopened 20-lb. tins ol. menthe pip. Wayne (will break bulk of either); sample about 1 oz. 1s. of ol. m. p.; 3 25-lb. unopened coppers ol. lemon, last season's, sample 6d.; 1 5-cwt. cask p. acid. tart. ang. (K. B. & Co.). "Retailer" (251/26), Office of this Paper.

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WANTED, cheap, second-hand case to hold spectacle lenses. Dunphy, Bantry, Co. Cork.

STUDENT'S set of chemical apparatus and reagent bottles. Harris, Tower House, Epping.

WANTED, perfumer's plant for mixing pomades and grinding powders. 252/16, Office of this Paper.

WANTED, Martindale's "Extra Pharmacopoeia," 14th edition; "Art of Dispensing," 6th. Atkins, Chemist, 30 Highbury Park, N.

WANTED, 8 ft. or 8 ft. 6 counter, with cases under; also two 2 ft. 6 counter cases. Lowest prices to "C. B.," 151 Plaistow Road, E.

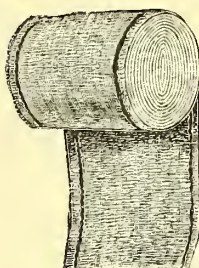
WANTED, white and half-white oils, second-hand parcels; state quality, price. Write "L. O.," Box 775, T. B. Browne's Advertising Offices, 163 Queen Victoria Street, E.C.

WANTED, a quantity of fertile seeds, belladonna, digitalis, henbane, stramonium; also live roots chamomile, coltsfoot, valerian, spearmint. State quantity and prices to 93/69, Office of this Paper.

OPTICAL books; Minor, Major, Chemists' books; send prepaid for valuation; cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, London S.W.

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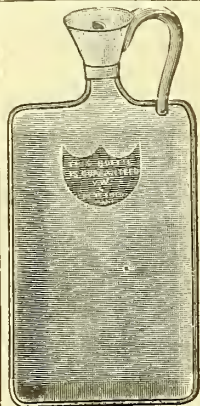
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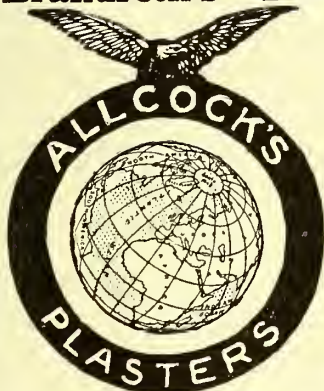
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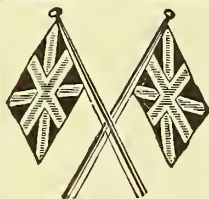
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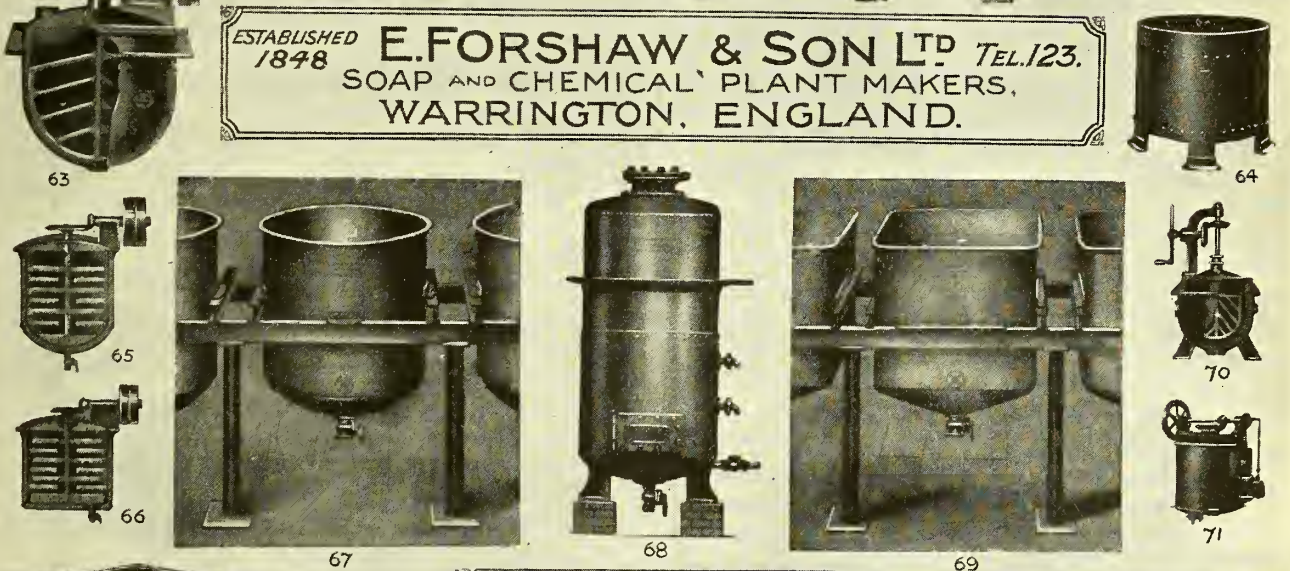
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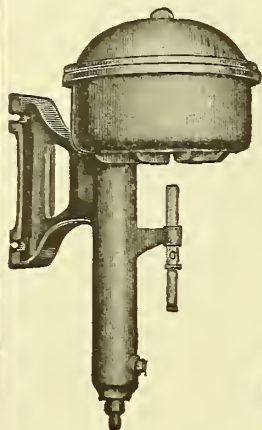


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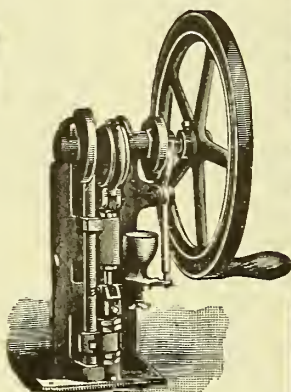


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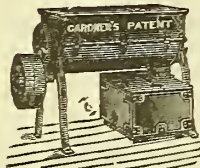
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I take this opportunity of thanking you for the care you took and the time you spent over the matter.

Yours faithfully,

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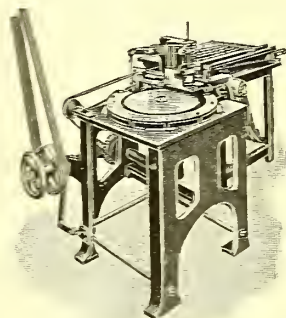
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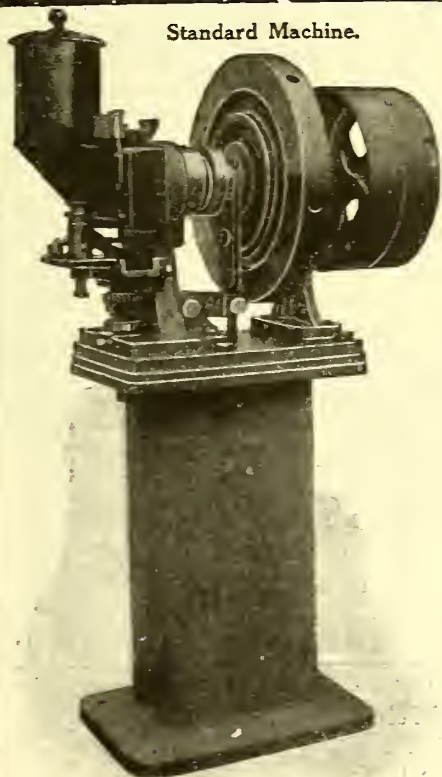
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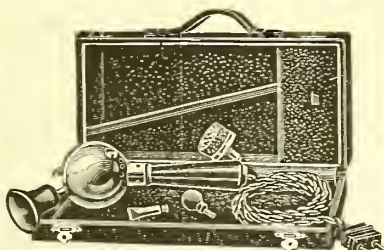
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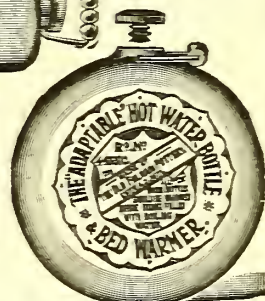
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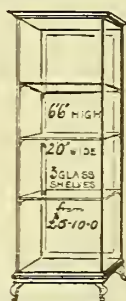
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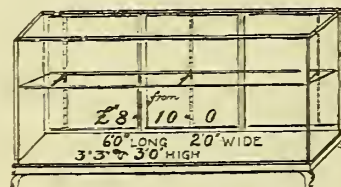
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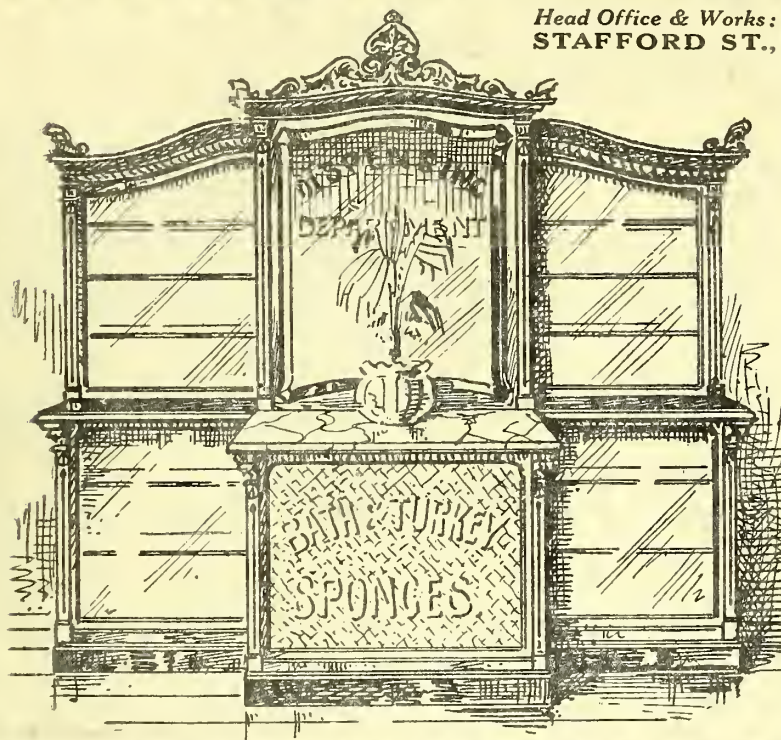


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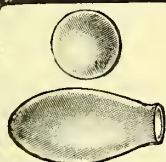
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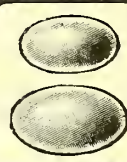
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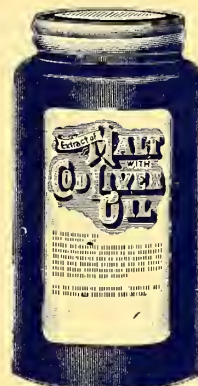
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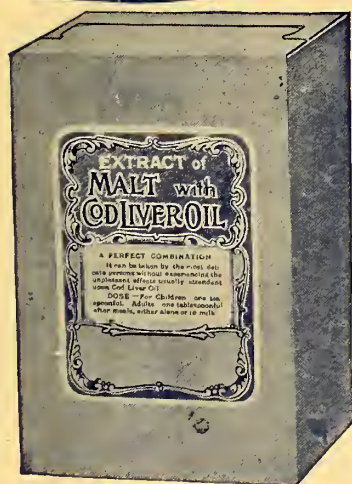
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